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PART A

IONOSPHERIC DATA

ISSUED
NOVEMBER 1962

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

CRPL-F 219
PART A

NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

Issued
23 Nov. 1962

IONOSPHERIC DATA

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IONOSPHERIC DATA

The CRPL-F series bulletins are issued as part of the responsibility of the Central Radio Propagation Laboratory for the exchange and dissemination of ionospheric and related geophysical data. While originally a by-product of the collection of data by the CRPL for use in radio propagation studies, the CRPL-F series bulletins, Part A, "Ionospheric Data," and Part B, "Solar-Geophysical Data," have provided useful service by collecting and making available a wide variety of data in convenient form for use in research, not only on radio propagation and the ionosphere, but also on a wide variety of geophysical problems. Beginning with CRPL-F 211, Part A, "Ionospheric Data," a number of changes have been made in the tables of ionospheric data which, by providing more information, should increase their usefulness.

The current form of the tables of ionospheric data provides the monthly medians and, in addition, the number of values entering into median determination (count) for all ionospheric characteristics listed. Also, the upper and lower quartile values, indicated by UQ and LQ in the tables, are listed for foF2, h'F2, h'F, and (M3000)F2. Quartile values are not listed for the other characteristics because of space limitations. The tables are prepared by IBM machine methods, which, by improving the speed and efficiency of preparation, permit earlier publication of the data.

Graphs of critical frequencies and (M3000)F2 will continue to appear. Graphs of percentage of time of occurrence for fEs and virtual heights of the regular ionospheric layers are no longer included. This change was necessary to provide space for the enlarged tables. Data on percentage of time of occurrence of fEs above 3, 5, and 7 Mc are still available from the CRPL and the IGY World Data Center A for Airglow and Ionosphere.

For many years, the tables of ionospheric data appearing in the F-series, Part A, listed values of medians recomputed at CRPL. While this practice enforced a certain uniformity, it was subject to some valid criticism for tampering with original data. The tables and graphs now show the ionospheric data just as they are provided by the originating laboratory. Responsibility for the accuracy and reliability of the data now rests entirely with the originator.

Gaps in the tables when data normally might be expected indicate the data were not provided by the originator. Following the recommendation of the World-Wide Soundings Committee, only values of median foEs are listed. In the few cases where fEs is still reported instead of foEs, the data will not be printed. Data will appear in the F-series, Part A, only when the complete daily-hourly tabulations have been received by the CRPL or the IGY World Data Center A for Airglow and Ionosphere.

Information on symbols, terminology, and conventions may be found in the "URSI Handbook of Ionogram Interpretation and Reduction, of the World-Wide Soundings Committee," edited by W. R. Piggott and K. Rawer (Elsevier, 1961), which supersedes previous documents. A list of symbols is available from CRPL on request.

The following table contains the latest available information on smoothed observed Zurich sunspot numbers, beginning with the minimum of April 1954. Final numbers are listed through June 1961, the succeeding values being based on provisional data.

Smoothed Observed Zurich Sunspot Number

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1954				3	4	4	5	7	8	8	9	12
1955	14	16	19	23	29	35	40	46	55	64	73	81
1956	89	98	109	119	127	137	146	150	151	156	160	164
1957	170	172	174	181	186	188	191	194	197	200	201	200
1958	199	201	201	197	191	187	185	185	184	182	181	180
1959	179	177	174	169	165	161	156	151	146	141	137	132
1960	129	125	122	120	117	114	109	102	98	93	88	84
1961	80	75	69	64	60	56	53	52	52	51	50	48
1962	44	41	39	38								

Units of Ionospheric Data Tables

foF2, foEs - - - Tenths of a megacycle
foF1, FoE - - - Hundredths of a megacycle
h'F2, h'F, h'E - Kilometers
(M3000)F2 - - - Hundredths

NOTE: Occasionally, when the median falls between two of the observed values, the median is carried an extra decimal place beyond these units. Those cases are easily identifiable by the extra digit appearing to the right of the number, in a column usually left blank.

MED - Median
CNT - Count
UQ - Upper Quartile
LQ - Lower Quartile

WORLD-WIDE SOURCES OF IONOSPHERIC DATA

The ionospheric data given here in tables 1 to 100 and figures 1 to 100 were assembled by the Central Radio Propagation Laboratory for analysis and correlation, incidental to CRPL prediction of radio propagation conditions. The data are median values unless otherwise indicated. The following are the sources of the data in this issue:

Central African Institute for Scientific Research:
Lwiro, Congo

Republica Argentina, Ministerio de Marina:
Trelew, Argentina

Commonwealth of Australia, Ionospheric Prediction Service of the Commonwealth Observatory:
Mawson
Wilkes Station, Antarctica

University of Graz:
Graz, Austria

Escola Politecnica, University of Sao Paulo:
Sao Paulo, Brazil

British Department of Scientific and Industrial Research, Radio Research Board:
Port Lockroy

Defence Research Board, Canada:
Winnipeg, Canada

Czechoslovak Academy of Sciences:
Pruhonice, Czechoslovakia

Danish National Committee of URSI:
Narssarssuaq, Greenland

Ionospheric Research Group (GRI) France:
Casablanca, Morocco
Dakar, French West Africa
Djibouti, French Somaliland
Poitiers, France
Tahiti, Society Is.
Tamanrasset, French West Africa
Tananarive, Madagascar

Ionospheric Institute, Breisach, Germany:
Freiburg, Germany

Indian Council of Scientific and Industrial Research, Radio Research Committee, New Delhi, India:
Ahmedabad (Physical Research Laboratory)

Ministry of Posts and Telecommunications, Radio Research Laboratories, Tokyo, Japan:
Syowa Base, Antarctica

General Directorate of Telecommunications, Mexico:
El Cerillo, Mexico

Christchurch Geophysical Observatory, New Zealand Department of Scientific and Industrial Research:
Campbell I.
Christchurch, New Zealand
Rarotonga I., Cook Is.

South African Council for Scientific and Industrial Research:
Salisbury, Southern Rhodesia (University College of Rhodesia and Nyasaland)

Post, Telephone and Telegraph Administration, Berne, Switzerland:
Sottens, Switzerland

United States Army Signal Corps:
Fort Monmouth, New Jersey
Grand Bahama I.
Thule, Greenland

National Bureau of Standards (Central Radio Propagation Laboratory):
Fairbanks (College), Alaska (Geophysical Institute of the University of Alaska)
Point Barrow, Alaska
Pole Station, Antarctica

TABLES OF IONOSPHERIC DATA

December 1961 - January 1956

TABLE 1

THULE, GREENLAND (76.0N, 68.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 26	U 285	U 28	U 28	U 24	U 23	U 24	U 24	U 275	U 33	U 32	U 35	U 35	U 395	U 38	U 355	U 36	U 30	U 32	U 32	U 28	U 25	U 26	U 27
	CNT	17	18	11	15	18	16	18	17	16	11	15	16	12	18	20	16	20	14	13	15	19	17	15	13
	UQ	32	33	32	31	30	28	26	28	32	36	36	47	48	46	44	42	40	39	41	38	32	30	32	29
	LQ	23	22	24	25	23	21	23	22	22	30	26	26	30	34	30	30	25	26	28	26	22	22	23	24
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	245	257	250	250	255	254	2525	262	253	249	241	233	230	2335	230	230	230	240	2255	248	250	2435	240	238
	CNT	25	30	27	27	28	29	24	27	24	26	28	26	27	28	28	27	28	29	26	25	29	30	27	27
	UQ	269	270	265	278	262	275	282	285	274	260	264	240	245	250	246	250	246	250	250	254	258	270	261	260
	LQ	230	240	243	235	230	231	230	240	240	234	230	215	219	220	218	213	211	220	219	235	230	230	234	230
(M3000)F2	MED	U 300	U 305	U 3125	U 305	U 305	U 305	U 295	U 295	U 290	U 300	U 3075	U 305	U 310	U 305	U 305	U 3025	U 310	U 305	U 2975	U 300	U 305	U 315	U 305	U 300
	CNT	15	16	10	11	13	11	16	13	15	11	14	15	11	18	18	12	17	14	10	12	16	10	14	11
	UQ	320	315	320	310	310	315	310	310	310	315	315	320	330	320	315	330	330	310	325	315	320	320	315	310
	LQ	295	295	270	290	300	285	280	285	280	300	285	290	300	300	300	290	300	295	290	290	295	305	300	300
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED														19			135	195	26	30	31			
	CNT	30	30	30	29	29	29	30	31	28	29	29	29	29	29	30	29	30	30	29	28	29	30	30	30

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. DECEMBER, 1961

TABLE 2

FAIRBANKS, ALASKA (64.9N, 147.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 235	U 30	U 25	U 29	U 28	U 33	U 24	U 23	215	32	43	53	56	59	60	45	39	28	U 20	U 18	U 33	U 34	U 265	U 25
	CNT	8	8	2	8	7	6	10	9	10	18	21	27	26	27	28	27	28	24	15	5	3	3	8	11
	UQ	28	34		32	40	35	29	26	23	36	49	57	62	64	63	50	44	33	22	20	34	34	32	28
	LQ	20	22		26	27	28	21	20	19	30	40	50	52	52	53	42	33	25	18	16	20	33	21	18
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U 3075	U 320			U 285	U 290	U 305	U 305	U 3025	325	345	345	345	350	355	340	335	3375	3275	U 315			U 3125	U 310
	CNT	6	6	2	4	7	5	9	6	6	18	21	26	26	24	25	27	27	22	10	5	3	3	6	6
	UQ	330	335			300	300	315	310	320	335	350	350	355	350	365	355	350	350	340	330			330	320
	LQ	300	305			280	280	290	300	295	315	330	335	335	335	340	330	320	325	295	300			310	300
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	35	40	435	405	41	38	24	18							17					31	18	35	295	265
	CNT	27	29	20	24	25	23	19	18	15	19	24	29	29	28	28	27	29	27	21	15	11	14	22	22

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. DECEMBER, 1961

TABLE 3

POINT BARROW, ALASKA (71.3N, 156.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 29	U 32	U 27	U 32	U 33	U 36	U 35	365	U 36	U 34	U 37	469	55	565	55	48	44	33	27	24	U 29	285	U 31	U 33
	CNT	6	9	6	7	7	8	9	10	10	15	19	24	26	26	26	27	26	27	19	12	9	12	13	9
	UQ	38	34	36	34	37	37	38	42	43	41	45	52	59	60	62	56	48	41	32	32	40	33	34	42
	LQ	27	27	21	30	31	31	32	31	32	31	33	44	46	51	50	44	37	30	20	20	18	24	26	28
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	U 340	U 310	U 305	U 295	U 290	U 345	E 370	U 335	U 325	U 295	285	260	245	245	240	240	245	265	2625	E 310	U 280	E 330	335	320
	CNT	8	7	7	9	11	9	8	9	9	9	15	19	19	21	19	22	22	21	16	8	5	12	15	11
	UQ	395	340	370	305	320	400	410	390	350	330	305	275	260	260	260	270	280	280	325	360	290	350	370	350
	LQ	280	280	260	260	260	320	325	310	290	290	265	240	235	230	225	230	230	240	250	280	270	290	305	285
(M3000)F2	MED		U 300	U 2925	U 310	U 3075	U 285	U 290	2975	2925	U 300	310	315	320	320	3225	320	315	3125	3075	310	U 310	300	3025	U 300
	CNT	4	7	6	6	6	7	8	10	10	13	18	24	26	25	26	27	26	26	16	10	7	11	12	7
	UQ		330	320	310	310	295	300	300	305	310	320	325	330	330	335	330	325	325	325	320	315	315	310	310
	LQ		295	290	300	290	280	275	275	280	290	300	310	310	310	310	305	300	305	295	300	290	285	290	290
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	345	53	47	38	33	33	34	32	34	31	29						30	30	245	30	315	33	35	34
	CNT	30	29	29	23	28	27	29	25	27	23	24	26	27	28	27	30			26	26	24	29	30	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. NOVEMBER, 1961

TABLE 4

FAIRBANKS, ALASKA (64.9N, 147.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 325	U 28	U 27	U 29	U 28	U 27	U 25	U 24	335	45	535	62	625	67	63	56	48	40	25	U 22	21	18	18	205
	CNT	4	9	6	5	6	9	8	11	20	23	28	27	28	28	23	29	26	27	26	12	6	11	7	8
	UQ	36	30	29	35	30	33	28	28	38	49	58	66	68	72	69	62	53	42	34	25	24	27	20	32
	LQ	30	27	26	26	21	24	22	22	28	41	48	55	58	58	59	48	39	32	22	20	21	18	17	16
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	2	U 280	U 290	U 290	4	U 275	U 300	U 3075	3225	3375	345	340	350	345	350	350	330	335	340	U 330		U 3125		U 3075
	CNT		7	5	5		7	7	8	18	22	27	26	27	27	22	28	24	27	23	11	4	8	3	6
	UQ		310	310	300		300	305	310	330	350	355	350	355	350	360	355	340	350	350	340		320		340
	LQ		280	280	280		275	290	300	310	320	330	335	335	335	345	335	325	320	315	310		300		300
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	435	40	425	335	295	205	195															27	355	31
	CNT	22	23	22	20	22	20	20	19	23	24	28	27	28	28	34	25	22	28	29	21	17	22	24	23

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. NOVEMBER, 1961

TABLE 5

THULE, GREENLAND (76.0N, 68.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 31	U 325	U 33	U 34	U 325	U 37	U 31	U 35	U 445	U 49	U 49	U 50	U 52	U 52	U 505	U 48	U 50	U 445	U 44	U 48	U 30	U 41	U 30	U 25
	CNT	12	16	7	7	8	8	9	12	18	19	19	21	19	17	20	13	14	14	10	13	7	12	10	11
	UQ	44	42	44	36	38	46	40	42	48	58	54	56	58	56	60	58	52	54	51	49	34	50	35	45
	LQ	25	24	20	27	24	24	24	31	39	43	46	44	47	47	46	42	44	42	37	31	24	31	25	23
h'F2	MED													2		2	1	1							
	CNT																								
	UQ																								
	LQ																								
h'F	MED	2545	252	250	2475	U 257	250	247	240	230	2355	231	231	224	231	237	2345	236	232	2375	240	250	2435	257	256
	CNT	26	28	25	24	25	26	23	27	29	26	27	28	29	29	29	28	27	27	26	27	27	26	27	28
	UQ	275	285	285	270	276	256	257	249	238	246	242	239	236	244	244	248	252	243	250	258	259	255	281	269
	LQ	245	238	238	237	240	231	236	234	225	229	225	225	220	224	229	227	226	225	229	228	237	237	237	244
(M3000)F2	MED	U 300	U 300	U 300		U 305	U 310	U 3175	U 330	U 3275	U 320	U 320	U 315	U 320	U 310	U 305	U 305	U 305	U 300	U 300	U 300	U 275	U 305	U 280	U 300
	CNT	11	13	5	4	7	7	8	10	16	17	17	17	19	15	17	9	14	14	10	12	5	8	7	7
	UQ	305	300	310		315	320	330	340	330	330	335	330	330	320	315	320	310	305	300	310	300	305	290	305
	LQ	275	280	300		280	310	310	320	320	310	305	310	305	305	290	295	300	295	295	290	275	285	280	295
foF1	MED													1	1	1	1	1							
	CNT																								
foE	MED										U 185	200	U 200	2075	195	U 170									
	CNT							1	1	4	10	8	13	12	9	5	3		1						
h'E	MED								119	117	117	U E 1205	1205	E 126	1215	1165	120								
	CNT							3	6	11	14	14	12	11	14	10	7		1						
foEs	MED							31	16	24	24	195				20	225	205	17	35	29	36	29	235	
	CNT	28	28	27	27	28	28	27	29	29	27	28	28	30	29	29	28	28	29	28	29	29	29	30	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. OCTOBER, 1961

TABLE 6

POINT BARROW, ALASKA (71.3N, 156.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 335	U 31	U 30	U 28	U 36	U 30	U 35	395	42	48	50	50	545	57	585	57	57	535	45	37	U 295	U 28	U 305	285
	CNT	6	9	10	8	8	7	7	10	19	20	25	29	26	26	28	27	27	26	20	20	20	19	10	8
	UQ	39	38	42	33	38	37	38	41	44	52	56	60	66	70	68	66	66	60	54	44	34	30	34	30
	LQ	28	28	26	25	30	24	24	33	37	40	44	45	50	51	50	51	48	47	39	30	24	24	27	24
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U 280	U 290	U 285	U 275	U 275	U 2775	U 2625	290	2975	310	315	310	315	3175	3175	320	320	3125	310	305	U 300	U 2975	U 290	280
	CNT	5	7	9	7	7	6	6	10	18	19	25	27	26	26	28	27	26	24	20	20	16	12	9	7
	UQ	290	300	300	285	285	305	270	300	310	325	320	325	320	320	330	325	325	325	320	315	310	305	300	295
	LQ	275	265	270	255	265	265	260	285	280	300	300	305	300	305	305	300	305	305	300	290	270	270	270	265
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	49	48	445	45	345	33	38	355	35	31	335		24					21	245	23	27	32	33	46
	CNT	31	30	30	30	26	31	30	28	27	28	30	29	26	27	30	28	30	31	30	31	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. OCTOBER, 1961

TABLE 7

THULE, GREENLAND (76.0N, 68.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 47	U 48	U 47	U 495	U 48	U 47	U 47	U 49	U 50	U 505	U 50	U 52	U 53	U 53	U 515	U 535	U 54	U 51	U 505	U 49	U 50	U 485	U 49	U 50
	CNT	19	22	21	18	21	19	17	23	23	22	21	20	21	24	20	24	24	27	24	29	29	26	21	23
	UQ	52	50	51	54	52	51	54	53	52	54	54	56	57	59	57	58	57	56	59	58	56	51	52	53
	LQ	45	46	44	42	45	43	43	45	44	44	46	48	48	48	48	48	47	46	48	46	45	44	46	45
h'F2	MED					U 298	U 295	345	3295	340	362	370	342	325	344	3455	350	320	3095	311	U 310				
	CNT		1	1	1	5	6	16	16	22	19	23	21	19	24	18	21	23	20	12	7	3			
	UQ						312	402	376	390	430	410	377	364	384	388	400	386	330	329	400				
	LQ					264	292	300	304	315	339	335	302	318	300	312	302	307	280	282	290				
h'F	MED	240	239	238	238	230	223	219	218	211	210	206	2095	209	209	205	2105	215	218	225	230	242	249	248	241
	CNT	29	27	28	29	29	29	28	31	29	31	29	30	30	28	31	30	29	29	29	29	29	30	26	28
	UQ	255	250	250	244	240	230	220	223	220	217	212	215	218	220	215	219	221	228	236	238	250	260	260	250
	LQ	226	231	228	226	223	218	212	219	208	205	200	200	200	200	199	205	205	210	220	220	230	238	236	232
(M3000)F2	MED	U 315	U 315	U 300	U 320	U 310	U 320	U 305	2975	U 305	U 305	U 280	2925	U 305	U 2975	U 295	U 295	U 295	U 300	U 305	U 305	U 305	U 305	U 305	U 305
	CNT	17	22	21	17	19	19	17	20	23	20	20	20	20	24	20	22	23	25	24	28	27	25	21	23
	UQ	320	320	315	335	320	335	310	330	325	310	300	310	310	310	300	300	310	310	310	310	315	315	320	315
	LQ	300	305	290	305	305	300	265	270	275	280	270	270	295	280	280	280	285	285	295	300	300	300	300	300
foF1	MED						U													U					
	CNT				1	1	355	370	380	390	395	400	410	410	415	400	390	390	370	350					
	UQ						6	13	12	17	22	23	21	21	20	18	19	15	8	6	4				
foE	MED	U 175	U 180	U 190	U 200																	U	U	U	U
	CNT	13	14	14	21	205	2275	235	250	265	270	280	275	280	285	270	265	2525	240	230	U 2125	200	185	180	1725
h'E	MED	U 135	E 130	U 120	123	27	24	25	26	21	22	21	20	21	22	23	23	24	21	26	21	15	15	10	10
	CNT	15	15	16	21	116	112	110	108	105	103	1025	101	100	104	103	1065	110	110	115	120	125	U 130	129	E 134
foEs	MED					26	28	29	29	29	29	28	24	22	23	28	26	29	23	29	23	21	13	10	10
	CNT	29	29	29	29	29	29	30	31	30	31	27 31	31	32 30	32 30	30 31	28 31	28 31	265 30	27 31	31	20 30	30	27	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. AUGUST, 1961

TABLE 8

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 38	U 31	U 37	375	U 36	41	48	51	51	53	54	55	56	55	58	57	56	57	U 57	U 49	U 48	U 47	U 435	U 50
	CNT	1	3	7	6	14	17	19	18	24	24	27	25	28	29	31	26	27	23	19	15	7	7	6	3
	UQ		34	47	40	39	46	52	57	56	60	62	64	62	62	65	65	66	64	61	57	55	52	49	50
	LQ		29	33	36	33	37	44	47	47	46	47	49	50	50	53	53	52	52	50	44	42	40	36	45
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED			U 265	U	U 305	325	325	325	3125	310	300	3025	305	300	295	300	295	255	U 300	U 310				
	CNT			5	3	9	15	15	16	20	22	21	18	23	25	28	25	22	18	14	15	4	4	3	2
	UQ			280		315	335	340	330	330	320	315	315	315	310	310	310	310	305	310	320				
	LQ			265		295	320	305	310	300	250	260	290	285	260	270	280	290	290	295	310				
foF1	MED										U	420	430	440	U	440	440	U	U			U	U		
	CNT						1		4	410 9	14	17	18	450 23	23	20	14	10	6	1					
foE	MED							U 240	265	U 290	300	U 310	U 320	U 320	U 320	320	300	290	2775						
	CNT					4	9	9		14	16	9	13	17	20	19	17	21	8	4	2				
h'E	MED					119	109	105		103	103	101	103	103	103	103	103	103	106	113	119				
	CNT					5	15	13		18	21	16	20	23	25	27	28	28	26	18	9	2			
foEs	MED	465	45	42	425	38	37	24	265	29		31		28	29	30	30		285	33	35				
	CNT	28	27	27	28	27	25	25	24	27	28	27	26	28	29	30	30	29	28	29	29	35	39	50	45
																						30	27	29	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. AUGUST, 1961

TABLE 9

THULE, GREENLAND (76.0N, 68.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	45	455	445	47	44	445	45	47	48	48	48	495	47	485	48	505	50	48	475	475	48	48	50	46
	CNT	17	20	16	15	19	16	17	15	13	11	11	14	12	12	15	16	17	17	20	20	16	19	17	19
	UQ	49	50	51	49	49	50	51	51	53	51	53	52	48	50	52	52	54	50	50	51	51	51	54	54
	LQ	38	41	43	45	40	42	38	43	46	40	42	46	41	44	46	46	44	45	44	46	44	44	46	43
h'F2	MED	350	316	304	328	365	375	396	400	358	400	400	418	430	430	419	382	379	393	350	3593	344	330	3045	
	CNT	5	9	11	12	16	14	19	17	14	14	11	14	11	15	15	17	20	16	21	14	7	12	6	4
	UQ		476	350	432		430			413			459		480	530	436	468	415	417	388	350	367	343	
	LQ	330	304	265	306	336	332	360	355	330	363	345	398	378	370	378	356	344	340	318	330	314	300	288	
h'F	MED	224	240	234	228	221	220	214	210	2145	210	204	2045	205	203	2075	210	218	218	2235	228	230	230	240	232
	CNT	21	23	23	21	25	22	23	21	18	19	19	22	17	20	20	21	20	20	20	20	19	24	24	24
	UQ	250	260	240	237	235	230	232	220	226	225	220	219	208	212	212	227	230	232	238	238	230	240	250	240
	LQ	208	220	214	213	211	212	209	207	207	206	200	197	195	200	200	201	207	207	210	210	209	220	220	217
(M3000)F2	MED	300	305	295	2925	280	280	270	265	2825	265	2825	275	245	2675	265	280	285	275	2825	285	295	295	300	3125
	CNT	14	14	15	14	17	15	16	15	12	10	10	13	9	12	15	15	17	17	20	20	16	18	17	18
	UQ	315	325	320	315	300	305	300	290	305	275	300	290	290	285	300	290	300	290	295	300	290	300	290	312
	LQ	280	290	275	265		270			260						250	270	260	280	270	270	270	280	290	295
foF1	MED				345	360	370	370	390	400	400	410	420	410	420	410	400	400	390	370	380				
	CNT				10	15	17	20	19	16	19	18	21	17	19	19	19	17	14	11	10				
foE	MED	210	210	220	230	240	250	260	270	280	285	290	290	295	290	2875	280	270	260	250	240	2225	210	210	200
	CNT	14	14	12	15	18	16	16	16	11	11	9	10	10	9	12	11	10	10	11	13	11	11	15	13
h'E	MED	121	119	117	111	1..	1.8	1175	1..	1005	100	1015	1015	100	1..	102	102	1..	1.5	1085	111	116	111	120	114
	CNT	17	20	19	16	18	18	18	18	14	14	12	12	12	13	13	14	13	15	18	17	16	13	16	14
foEs	MED													39				3..	28	28	255	26			
	CNT	24	23	24	24	25	25	24	24	21	22	22	23	21	22	22	24	24	23	23	24	25	24	25	25

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JULY, 1961

TABLE 10

POINT BARROW, ALASKA (71.3N, 156.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	445	44	45	45	455	45	465	47	47	485	47	48	48	49	515	515	52	50	48	45	45	47	47
	CNT	19	16	15	18	11	10	15	16	17	16	18	17	17	22	21	24	24	22	23	23	20	20	22	21
	UQ	48	48	45	47	46	47	48	47	50	50	49	48	50	51	53	55	53	54	53	52	48	48	48	48
	LQ	43	43	42	43	42	43	42	38	44	46	44	46	46	48	48	48	50	50	47	45	42	44	43	42
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	295	2925	295	290	275	290	255	2325	260	265	235	255	255	260	270	270	270	2775	2875	295	305	2965	295	295
	CNT	19	14	13	17	11	5	14	14	17	15	17	16	17	22	21	24	21	22	22	23	18	18	19	20
	UQ	315	305	300	295	285	315	275	265	270	270	270	270	290	295	280	290	290	295	300	310	310	310	305	315
	LQ	285	275	280	270	250	255	230		240	240	220	245	240	235	240	260	265	270	270	250	275	275	290	290
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	48	55	33	25	27	33	28	34	35	41	345											37	46	50
	CNT	25	23	23	25	23	23	23	23	23	21	20	18	17	22	22	24	22	24	23	24	26	25	24	24

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JULY, 1961

TABLE 11

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	495	485	49	47	405	415	43	44	47	48	50	52	54	55	54	54	54	52	50	47	46	415	385
	CNT	4	8	11	6	4	4	4	4	13	18	17	14	14	13	13	13	13	14	14	14	7	12	14	11
	UQ	48	49	48	51	48	45	44	45	48	51	52	54	53	55	56	57	56	56	55	54	49	48	48	44
	LQ	44	46	44	44	43	38	41	40	43	46	48	48	49	51	52	53	50	48	50	48	44	44	38	37
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	285	290	295					2675	255	285	270	2825	270	285	285	2925	295	285	295	300	2975	305	295	280
	CNT	7	7	6	2	1	4	2	8	11	16	15	22	19	20	23	22	22	21	18	18	12	14	11	9
	UQ	300	295	295					310	290	300	290	295	275	295	295	300	300	295	305	310	310	315	305	295
	LQ	285	280	270							235	250	260	255	260	275	280	280	270	290	285	290	290	270	275
foF1	MED								405	420	430	440	450	450	450	440	440	430	410						
	CNT							2	6	12	16	18	19	20	20	20	18	19	8	2	1				
foE	MED								285	300	320	315	3275	340	320	3125	310	300	300	300		270			
	CNT				1			1	5	5	7	5	6	7	9	8	7	7	9	5	3	6			
h'E	MED								109	106	105	107	106	105	102	103	103	107	109	111	113	125			
	CNT				1	1	1	2	9	8	12	11	14	14	16	15	13	16	17	14	8	10	1		
foEs	MED	375	36	38	43	42	44	43										42	32			325	31	40	495
	CNT	28	25	23	17	12	15	16	16	15	19	17	22	24	24	23	23	24	25	24	26	24	25	27	26

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JULY, 1961

TABLE 12

THULE, GREENLAND (76.0N, 68.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	44	44	45	465	475	47	48	47	48	49	51	50	53	52	51	51	50	51	495	495	49	49	495
	CNT	19	19	19	19	16	22	16	17	18	15	13	16	20	22	23	21	24	23	24	24	20	18	20	18
	UQ	52	53	51	48	52	50	52	51	49	53	54	54	54	53	54	56	57	56	53	53	53	52	51	54
	LQ	47	48	44	42	42	41	43	44	45	46	41	43	47	49	46	49	49	50	49	48	46	48	46	46
h'F2	MED	341	3625	3265	349	3525	381	374	402	422	400	427	385	414	400	400	382	384	365	3385	346	3355	321	321	340
	CNT	8	8	12	14	18	21	21	26	19	17	20	19	18	24	23	23	24	26	24	26	18	13	8	5
	UQ	390	419	360	450	382		470	440	485		515	480	459	449	481	420	410	410	375	360	364	340	336	357
	LQ	302	310	295	284	30.	296	314	317	34.	340	347	358	347	358	375	364	347	343	32.	326	308	300	296	268
h'F	MED	2295	221	218	2185	210	210	210	208	208	208	2025	2015	205	201	204	204	220	222	2195	214	230	234	230	229
	CNT	28	28	28	30	30	30	27	29	26	27	24	22	25	25	25	27	29	24	24	23	29	29	27	29
	UQ	240	232	230	227	220	218	221	218	212	215	210	210	210	210	208	210	210	222	226	230	230	234	234	240
	LQ	220	218	210	208	207	204	207	205	205	199	194	195	195	192	200	197	200	208	205	208	220	218	218	217
(M3000)F2	MED	3025	300	2975	285	290	2675	275	280	2625	275	260	275	275	2725	275	290	280	290	295	290	3025	300	295	310
	CNT	20	13	18	17	16	18	15	16	16	13	11	15	18	22	23	20	21	22	21	23	20	18	19	16
	UQ	315	315	315	295	320	280	310	290	270	310	295	290	280	300	295	300	290	300	310	305	310	310	310	310
	LQ	290	290	275	260	270		285	280	260			260	265	260	265	270	270	275	275	285	285	290	285	295
foF1	MED																	330	320	300	300	300			
	CNT																	17	14	11	12	6	4	4	
foE	MED	210	210	220	2325	245	250	270	285	285	290	300	300	305	300	295	2875	280	275	250	250	235	230	220	225
	CNT	25	29	29	26	26	26	25	25	23	21	19	17	17	15	20	18	17	20	21	18	15	17	23	26
h'E	MED	118	1125	110	109	107	102	101	100	100	100	100	100	100	100	100	100	101	102	103	107	110	1135	117	118
	CNT	29	30	30	30	30	29	28	30	29	25	27	24	20	20	19	20	22	26	25	24	26	26	27	29
foEs	MED												31	43	365	40	40	375	435	365	32	31	..		415
	CNT	29	30	30	30	30	30	28	30	29	29	30	29	29	30	30	29	30	28	28	30	30	..	..	..

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JUNE, 1961

TABLE 13

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W)

TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
foF2	MED	44	34	37	37	40	43	46	49	49.5	49	51	55	55.5	56	56	57.5	56.5	54	54	52	50	47	45	40	
	CNT	9	13	9	10	15	17	19	20	22	23	26	27	26	29	28	24	26	24	28	27	22	19	11	14	
	UQ	46	40	40	41	43	46	49	55	56	55	57	57	58	58	60	60	60	58	58	57	55	50	50	44	
	LQ	40	32	36	36	38	42	45	46	46	46	49	49	50	51	53	53	50	52	48	48	47	44	42	37	
h'F2	MED																									
	CNT																									
	UQ																									
	LQ																									
h'F	MED																									
	CNT																									
	UQ																									
	LQ																									
M3000)F2	MED	285	275	270	285	295	3125	2925	2825	300	280	280	290	285	285	285	285	2925	290	300	3075	3025	300	2975	300	
	CNT	7	10	7	7	12	16	16	18	19	22	25	26	26	29	26	23	26	22	25	26	18	15	10	9	
	UQ	320	285	305	335	315	320	300	310	320	305	300	310	305	300	305	305	305	300	310	315	310	315	305	305	
	LQ	275	270	280	270	270	290	270	270	260	260	260	250	265	270	265	275	270	280	290	295	300	300	290	280	
foF1	MED								415	430	440	450	450	460	455	450	440	435	415	390						
	CNT							3	8	15	17	24	28	24	28	25	17	18	14	7	2					
foE	MED								300	310	315	325	330	340	340	330	320	300	280	2675	235	260				
	CNT			1			2	3	7	15	10	10	9	11	13	14	7	13	9	12	5	5	3		1	
h'E	MED					111	103	101	101	103	103	104	101	103	101	101	101	103	102	105	109	115				
	CNT			1	1	5	6	7	15	21	16	21	26	25	26	24	24	24	22	24	24	15	4	4	1	
foEs	MED	40	445	345	36	38	385	375	345																	
	CNT	26	28	26	24	27	26	22	22	24	24	27	28	26	29	27	28	28	29	30	29	37	29	30	29	28

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1961

TABLE 14

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	52	49	45	36	32	39	44	50	56.5	60	60	60	60.5	61	62	62	62	63	64	65	65	64	65	64
	CNT	27	23	21	25	21	28	27	20	24	23	19	21	18	21	24	26	25	26	25	23	23	22	22	24
	UQ	57	51	48	41	36	43	49	56	60	63	65	62	64	64	64	66	68	69	72	72	73	68	62	60
	LQ	43	37	34	32	28	33	40	48	52	49	50	52	54	52	54	57	57	58	60	56	58	58	52	48
h'F2	MED							368	370	350	3565	372	370	3675	374	365	3525	332	319	2945					
	CNT					1	15	17		24	24	19	21	18	21	25	26	25	26	16					
	UQ						500	422		410	418	410	446	415	473	430	380	360	335	308					
	LQ						315	319		341	315	320	330	350	342	344	340	320	300	284					
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	290	295	295	290	300	310	300	300	300	295	300	300	295	290	295	295	300	300	3025	310	310	300	295	300
	CNT	26	23	20	24	22	26	26	20	24	23	19	20	18	19	23	26	25	26	24	23	23	20	19	23
	UQ	300	300	300	300	310	320	320	315	320	320	320	310	305	310	305	300	305	310	310	315	315	310	300	305
	LQ	285	290	290	280	290	300	290	280	275	275	275	275	275	255	280	290	290	295	295	305	300	290	290	290
foF1	MED							365	400	440	460	475	475	480	480	465	460	445	400						
	CNT					1	8	11		13	16	14	10	13	15	18	20	16	8						
foE	MED							240	290	305	3325						340	320	290						
	CNT			1				5	9	7	6	3	2	2	4	1	7	13	14	4					
h'E	MED						120	110	110	107	105	105	105	105	105	105	107	108	110	115					
	CNT			1			5	27	26	25	25	23	21	19	19	20	22	23	25	27	2				
foEs	MED	34	325	30	315	30	20	31	345	41	40	49	45	48	435	41	41	38	52	43	49	455	38	31	355
	CNT	29	28	28	28	29	28	28	26	26	26	24	25	21	22	26	26	27	27	27	28	28	27	28	28

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JUNE, 1961

TABLE 15

THULE, GREENLAND (76.0N, 68.0W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	0	11	12	13	4	5	16	17	8	19	20	21	22	23
foF2	MED	46	45	46	45	48	47	48	49	47	49	44	46	49	51	50	50	48	51	48	47	47	475	46	465
	CNT	15	15	17	16	13	13	16	13	13	14	14	11	12	14	15	17	20	17	18	13	18	22	18	16
	UQ	52	52	51	48	51	50	50	52	54	54	51	54	53	55	52	51	54	56	53	51	52	50	49	49
	LQ	39	37	42	39	38	36	42	38	39	40	37	40	40	46	46	47	40	47	44	43	43	43	43	43
h'F2	MED			320	314	3385	329	352	405	326	3765	347	421	416	340	3695	389	324	346	344	343	314			
	CNT			16	9	14	14	17	16	16	16	23	17	18	17	20	18	21	19	15	19	16	5	2	2
	UQ			340		410		425						600	458	415	410	394	370	384	375	340			
	LQ			295	280	320	310	315	355	336	360	366	360	343	350	338	335	324	324	310	310	304			
h'F	MED	2385	240	2385	229	220	229	217	211	218	212	2135	210	2085	213	210	211	219	218	222	224	230	240	240	243
	CNT	26	26	22	25	25	25	24	23	22	21	22	23	22	23	23	22	25	25	25	23	25	24	26	26
	UQ	247	249	249	239	239	238	229	230	231	220	215	218	222	230	233	239	244	255	250	255	255	253	260	262
	LQ	235	230	224	220	220	220	209	210	210	208	208	209	210	210	208	209	220	220	220	224	224	224	230	235
(M3000)F2	MED	315	3225	3125	305	300	300	285	275	2725	280		260	2525	2875	275	285	2875	290	2975	290	300	3065	305	300
	CNT	17	14	16	15	12	13	15	11	12	14	15	17	20	17	18	23	18	22	18	16	18	22	18	16
	UQ	330	335	330	325	315	320	304	315	325	325	290	320	320	300	295	300	305	300	305	295	310	310	310	305
	LQ	295	305	300	295	290		280						280	280	285	270	280	280	280	285	300	295	295	290
foF	MED					455	360	375	345	345	400	400	420	425	410	415	400	390	380	360	350				
	CNT				3	9	11	17	14	18	18	19	21	22	22	21	17	19	13	7	9	2			
foE	MED	290	290	1975	210	225	240	255	265	275	2825	290	290	290	290	280	2775	2675	250	240	230	2075	200	1975	1975
	CNT	22	22	20	21	22	20	23	22	14	14	16	19	14	17	19	20	20	21	18	17	20	20	20	22
h'E	MED	117	108	1105	110	110	108	107	103	105	103	1035	102	102	104	103	105	1045	108	108	110	110	113	118	113
	CNT	27	27	24	25	25	27	24	24	22	22	22	20	18	22	21	22	24	26	25	22	25	25	25	24
foEs	MED															345			28	265	27	27			
	CNT	27	27	24	25	25	25	24	24	24	23	25	24	24	26	26	26	26	26	26	26	27	27	27	26

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MAY, 1961

TABLE 16

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	3	14	15	16	17	18	19	20	21	22	23
foF2	MED	48	44	39	36	305	37	46	50	54	56	56	60	60	61	60	61	635	65	67	67	64	62	535	53
	CNT	25	23	23	23	26	32	29	27	29	30	31	29	26	32	30	30	30	29	29	29	32	27	28	27
	UQ	54	46	42	39	35	42	52	52	58	62	62	64	65	65	69	66	67	72	76	74	71	68	62	57
	LQ	42	40	37	33	26	33	39	43	48	51	51	52	54	53	55	56	58	59	58	60	58	55	50	46
h'F2	MED							421	387	335	338	372	3875	364	340	348	351	322	295	287					
	CNT							4	4	23	29	31	28	30	30	30	30	27	27	19					
	UQ									410	426	447	454	440	430	410	372	343	325	280					
	LQ							284	278	285	299	333	336	333	328	310	313	300	280	256					
h'F	MED	27	28	277	28	278	250	225	217	2085	205	196	200	200	2045	212	215	2265	2245	243	251	241	250	263	270
	CNT	30	33	31	31	31	30	30	27	30	27	24	24	27	28	29	27	26	26	25	29	31	31	31	31
	UQ	290	290	294	305	300	295	236	230	220	222	207	210	215	220	220	220	243	255	253	260	260	262	275	283
	LQ	264	255	265	268	265	241	220	209	200	197	186	188	188	200	200	206	215	214	235	235	230	235	250	258
(M3000)F2	MED	285	285	295	290	300	3175	320	305	300	300	290	290	2925	295	300	300	300	305	310	305	3025	295	2925	290
	CNT	23	23	21	17	24	27	27	27	27	30	30	29	30	30	30	30	29	29	28	28	30	27	28	25
	UQ	295	295	302	300	305	320	320	305	305	305	305	310	305	305	310	305	310	310	315	310	310	305	300	295
	LQ	284	280	280	280	290	300	290	280	290	280	270	270	275	280	280	285	290	295	300	300	295	290	290	280
foF	MED						345	385		430	450	460	470	470	470	470	450	430							
	CNT							10		14	20	25	27	25	24	27	20	9	3						
foE	MED						230	280		305	320	330	3475	355	3475	345	335	300	270						
	CNT					2	10	15		13	11	11	10	6	10	14	17	14	15	3					
h'E	MED					125	112	109		105	105	103	105	105	1045	107	107	108	110	115					
	CNT					6	23	25		30	29	30	31	29	30	30	28	28	29	24					
foEs	MED	28	31	30	31	31	29	23	30	335	36	36	37	38	37	355	35	335	33	28	23	31			
	CNT							30	27	30	30	31	31	30	31	30	29	30	30	31	30	28	30	30	29

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MAY, 1961

TABLE 17

SWAND BAHAMA I. (26.6N, 78.2W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	445	43	53	585	63	635	64	67	72	77	82	80	77	78	785	75	66	60	57	57
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	26	25	24	24	24	22	24	21	24	25	25	23	25	25	26	22	25	26	24	24
	UQ	6	58	54	51	48	46	57	62	66	68	68	76	85	86	87	87	86	84	87	84	76	66	64	62
	LQ	50	48	48	44	39	36	48	56	56	61	60	64	68	74	74	74	70	67	66	69	63	56	50	51
h'F2	MED								258	280	316	351	355	335	324	3185	300	2925	286	265					
	CNT							2	17	20	22	23	24	27	27	26	25	28	26	20					
	UQ								321	315	340	385	377	370	346	325	314	302	296	279					
	LQ								246	268	297	320	330	318	310	300	292	284	275	256					
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	200	200	200	1075	205	210	212	217	222	240	230	227	2495	2635	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	25	20	24	21	22	21	24	23	22	25	28	28	30	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	215	212	220	228	214	220	224	230	230	250	240	239	267	285	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	195	181	200	200	202	203	205	208	216	224	221	220	237	248	[illegible]
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	305	335	330	320	310	2975	295	295	300	305	310	315	315	3175	3179	310	300	290	285
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	24	24	23	21	22	21	24	24	24	23	25	24	22	18	22	24	23	23
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	350	350	340	330	310	300	300	310	310	315	320	320	325	330	315	310	300	295
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	295	320	315	310	300	280	290	285	290	300	300	305	310	310	310	295	290	290	280
fo1	MED									425	460	480	480	485	480	470	460	440	415						
	CNT								1	4	8	14	21	17	22	21	21	18	18	6					
foE	MED								200	260	300	330	U 350		U 365	365	355	340	320	U 270					
	CNT								7	10	9	7	8	3	9	11	13	15	15	11	4				
h'E	MED								E 1195	105	100	100	100	104	104	105	E 1045	103	E 1045	107	110				
	CNT								20	26	27	24	25	24	27	25	22	22	24	27	25				
foEs	MED			235	23			22	28	32	35	38	39	40	39	38	36	36	31	28	24	26	245	24	23
	CNT	26	29	29	27	25	25	25	25	26	24	25	23	25	24	24	24	25	26	26	26	26	26	26	25

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MAY, 1961

TABLE 18

THULE, GREENLAND (76.6N, 68.8W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	43	415	43	39	44	44	47	49	48	48	48	52	50	50	46	[illegible]	515	5[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	21	22	23	21	19	22	22	18	20	23	19	22	21	20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	48	46	46	46	48	49	51	54	52	57	50	55	56	54	55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	38	36	36	36	40	42	42	45	42	40	43	48	46	46	45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED						U 330	323	345	333	3355	3425	365	3665	365	3555	3565	330	305	290					
	CNT					2	7	9	15	14	18	22	19	24	21	22	20	17	11	7	1				
	UQ						440	355	380	375	438	[illegible]	450	405	425	440	418	350	400	335					
	LQ						302	305	315	315	286	315	335	314	320	320	329	319	280	285					
h'F	MED	[illegible]	254	250	249	2455	239	235	228	228	2235	225	220	215	220	222	223	2245	2365	242	250	449	250	[illegible]	[illegible]
	CNT	[illegible]	30	30	30	30	28	29	29	28	28	29	27	29	28	28	30	30	30	29	30	30	30	30	30
	UQ	[illegible]	260	265	255	258	251	240	234	230	230	238	230	228	230	230	238	233	245	250	254	258	260	265	261
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	232	232	227	220	220	219	218	210	209	214	212	216	218	230	230	235	240	245	250	242
(M3000)F2	MED	300	295	300	305	310	310	[illegible]	310	2975	290	300	275	[illegible]	[illegible]	300	295	300	300	3075	305	305	305	300	300
	CNT	20	16	20	20	20	18	23	21	18	19	21	16	22	20	18	22	19	19	22	21	24	22	23	22
	UQ	310	300	310	310	320	315	320	320	310	320	310	300	300	305	320	310	310	305	315	310	310	310	310	310
	LQ	290	280	295	290	300	295	290	290	280	215		225	265	290	275	275	295	280	300	300	300	295	295	295
foF1	MED								380	365	380	380	410	390	390	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT					1	3	1	5	8	11	15	21	19	15	13	16	5	5	2	2				
foE	MED	U 150	U 1575	170	180	U 190	2025	2175	2375	260	270	270	265	270	270	260	2475	245	230	2175	190	185	U 165	160	150
	CNT	13	6	13	15	27	28	26	28	27	23	23	19	24	27	26	24	27	25	20	21	15	13	17	9
h'E	MED	1295	125	120	1195	120	114	114	110	110	107	109	1065	108	1095	109	110	110	115	115	120	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	14	14	17	20	28	29	26	28	28	26	25	28	27	30	29	30	30	29	26	23	20	18	17	15
foEs	MED																								
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

APRIL, 1961

TABLE 19

POINT BARROW, ALASKA (71.3N, 156.8W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	39	43	44	40	425	425	40	40	40	40	45	47	485	50	5[illegible]	525	5[illegible]	5[illegible]	48	48	44	5[illegible]	38	40
	CNT	20	16	20	20	20	16	15	18	17	14	11	17	14	13	17	18	20	17	14	15	21	24	15	17
	UQ	43	48	46	46	45	47	47	48	50	51	52	53	53	54	54	57	56	54	5[illegible]	50	48	43	4[illegible]	44
	LQ	35	39	34	35	38	40	35	42	40	41	43	44	45	47	46	49	47	49	45	43	38	37	36	36
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U 2775	285	285	U 290	290	275	265	250	275	260	265	265	265	270	270	2775	2825	285	295	300	300	295	295	285
	CNT	18	15	18	19	19	13	12	18	15	17	19	27	23	23	27	28	28	26	26	21	21	24	15	17
	UQ	290	295	290	290	295	285	290	275	290	270	275	280	280	290	280	285	290	300	300	310	310	300	305	290
	LQ	265	280	275	270	285	270	260	240	260	250	240	235	245	260	250	270	270	275	280	295	295	280	285	280
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	58	41	365	395	235	30	33	36	37	[illegible]	40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	27	305	355	375
	CNT	27	29	30	26	28	26	28	29	26	25	25	27	23	24	27	29	29	29	29	29	29	30	30	30

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

APRIL, 1961

TABLE 20

NAMSSARSSUAQ, GREENLAND (61.2N, 45.4W)

TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	[illegible]	[illegible]	2	3	4	5	16	17	18	19	20	21	22	23
foF2	MED	325	[illegible]	[illegible]	34	35	37	405	40	40	48	505	54	56	60	6[illegible]	57	56	54	53	5[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	26	26	26	24	23	29	28	29	27	27	28	27	25	27	23	28	13	10	5	3
	UQ	36	37	34	35	38	40	44	40	50	58	60	62	62	67	68	64	64	64	62	54	50	43	43	40
	LQ	29	28	[illegible]	[illegible]	28	34	34	40	45	46	48	48	50	54	54	55	49	50	5[illegible]	45	44	38	38	40
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	2825	2675			300	310	315	310	3025	295	2975	290	295	2925	[illegible]	[illegible]	305	3075	305	3[illegible]	300	2825		
	CNT	6	6	4	4	7	14	16	19	22	27	26	25	27	26	[illegible]	[illegible]	27	24	21	17	10	8	4	2
	UQ	300	270			300	315	325	325	315	305	310	310	305	310	305	305	310	310	305	310	310	290		
	LQ	270	255			295	300	310	295	285	285	275	270	270	275	285	285	270	295	290	300	290	280		
foF1	MED									370	410	420	430	430	440	[illegible]	[illegible]	[illegible]							
	CNT					1			1	7	13	20	17	18	18	[illegible]	[illegible]	6	4						
foE	MED							240	270	290	300	310	3125	320	310	305	300	[illegible]	[illegible]	280					
	CNT				1	1	2	5	9	14	16	12	16	19	22	[illegible]	[illegible]	[illegible]	[illegible]	9	7	2	4		2
h'E	MED							110	113	109	109	109	109	109	109	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT				1	3	3	6	14	15	20	17	21	22	23	[illegible]	[illegible]	[illegible]	24	15	6	4		4	
foEs	MED	445	355	33	415	395	38	32																	
	CNT	28	28	27	28	28	23	22	25	24	28	27	28	28	28	[illegible]	[illegible]	[illegible]	24	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

APRIL, 1961

TABLE 21

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	43	[illegible]	36	32	[illegible]	[illegible]	46	55	61	64	655	71	71	72	73	73	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	44
	CNT	24	26	25	24	[illegible]	[illegible]	27	29	27	25	26	25	29	28	29	29	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	25
	UQ	48	46	45	47	[illegible]	[illegible]	50	60	66	69	72	74	78	80	80	78	76	76	78	76	64	64	62	47
	LQ	39	36	34	36	[illegible]	[illegible]	42	50	51	55	58	58	61	64	64	64	64	64	64	62	56	54	47	41
h'F2	MED								320	296	301	305	3225	322	316	3085	300	[illegible]	[illegible]						
	CNT							2	12	22	23	24	24	29	28	28	29	29	23	2					
	UQ								370	330	362	382	355	367	350	347	327	316	300						
	LQ								256	260	276	294	302	300	296	294	283	276	265						
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	235	220	209	2055	1995	200	201	200	2085	213	219	229	240	230	235	249	267	2705
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	29	28	26	26	25	28	28	28	29	29	29	29	29	28	27	27	28
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	242	227	214	210	203	206	208	226	218	218	222	235	250	240	242	259	275	287
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	230	219	202	200	189	186	189	195	200	208	214	220	232	228	230	240	251	266
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3075	330	320	3225	315	310	3025	300	3025	305	305	310	310	315	310	3025	295	290	280
	CNT	24	23	23	19	19	20	27	29	26	25	26	24	29	28	28	29	29	29	29	27	26	22	21	22
	UQ	295	290	300	300	300	315	335	335	340	325	320	310	310	310	310	310	320	320	320	320	310	309	295	295
	LQ	280	280	280	285	290	300	315	310	305	300	290	290	280	290	295	300	295	295	305	305	295	290	280	270
foF1	MED									400	[illegible]	450	460	460	475	470	460	440	400						
	CNT									1	0	1	14	191	22	21	18	11	5	2					
foE	MED							290	250	230	310	325	330	340	335	330	315	290	255						
	CNT							5	25	24	28	17	17	11	19	23	24	27	21	1					
h'F	MED									227	[illegible]	208	207	105	107	108	108	1085	109	110	111	122			
	CNT									28	29	28	27	26	25	28	27	28	29	29	26	8			
foEs	MED																								
	CNT	28	28	28	27	28	28	28	29	28	27	26	25	29	28	28	29	29	29	29	29	28	27	27	28

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

APRIL, 1961

TABLE 22

THULE, GREENLAND (76.0N, 68.0W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]												
	CNT									0															
	UQ									[illegible]	[illegible]	[illegible]	[illegible]												
	LQ									[illegible]	[illegible]	[illegible]	[illegible]												
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED									132	120	118	1175	1165	114	117	113	110	114	115	110	120	120	140	130
	CNT									6	13	22	26	22	24	13	17	20	22	17	10	2	4	4	10
foEs	MED	[illegible]								135				14											
	CNT	30	30	29	30	30	31	30	30	27	28	27	30	30	30	31	31	31	30	31	31	30	30	29	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MARCH, 1961

TABLE 23

POINT BARROW, ALASKA (71.3N, 156.8W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	455	355	37	369	38	38	39	45	44	45	49	51	53	555	56	57	57	575	495	45	32	34	385	38
	CNT	8	12	9	8	13	13	13	11	17	20	24	24	25	28	29	28	30	28	26	23	18	13	12	14
	UQ	50	40	40	43	46	46	45	52	50	47	54	58	58	60	62	66	68	63	60	51	41	44	42	41
	LQ	34	32	28	34	34	32	34	37	38	39	42	42	43	46	47	50	52	52	46	36	28	30	31	35
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	2875	275	275	280	275	265	2675	2775	285	285	2925	295	290	2925	300	295	300	310	305	305	290	280	290	285
	CNT	8	10	8	7	12	13	10	10	15	19	24	24	25	28	29	27	29	28	25	21	16	12	11	13
	UQ	295	285	285	280	290	275	290	290	290	300	310	310	300	300	305	310	310	315	310	310	300	295	300	295
	LQ	280	265	265	255	260	250	260	275	280	265	280	280	280	280	285	290	290	290	300	300	280	270	275	270
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	565	56	52	43	34	36	335	35	35	345	27								14	28	30	345	375	46
	CNT	30	29	27	29	30	29	28	28	31	26	27	27	27	28	30	28	31	31	31	31	30	30	30	30

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

MARCH, 1961

TABLE 24

THULE, GREENLAND (76.0N, 68.0W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED								115	135	1375	155	160	170	[illegible]	[illegible]									
	CNT								7	9	12	10	11	15	14	9	10	2	4						
h'E	MED									120	115	1155	1115	114	114	115	114								
	CNT								7	11	22	12	16	17	19	19	16	4							
foEs	MED								205	17	17	195	20	20	185	21	21	21	30	375	19	26	19	21	
	CNT	28	28	28	27	27	27	27	28	28	28	28	27	28	26	26	25	25	27	26	26	27	27	27	27

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

FEBRUARY, 1961

TABLE 25

POINT BARROW, ALASKA (71.3N, 156.8W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	0	1	12	13	14	15	16	17	18	19	20	2	22	23
foF2	MED	U		U	U	U	U	U	U	U	U			U	U				U	U	U	U	U	U	U
	CNT	35		425	30	40	35	305	36	365	41	45	52	535	61	59	65	615	545	39	26	30	27	37	315
	UQ	7		4	5	5	5	4	6	12	16	20	19	22	21	26	27	26	24	23	19	13	11	10	8
	LQ	38		48	40	46	45	36	38	42	48	50	63	65	69	77	71	70	62	48	34	34	33	38	36
		22		30	25	26	32	28	31	32	36	42	46	46	46	46	47	48	44	36	25	20	21	30	28
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U				U			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	285				285			275	285	300	305	315	315	315	315	315	310	320	300	300	300	2925	2925	285
	UQ	6		3	4	5	2	2	5	12	14	19	19	21	21	26	27	26	23	23	18	11	10	10	7
	LQ	300				290			280	290	300	315	335	330	330	325	325	325	325	320	310	310	305	315	325
		280				250			260	270	285	300	305	300	305	300	300	300	300	300	285	290	270	290	270
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h F	MED																								
	CNT																								
foEs	MED	56	50	48	40	40	34	37	405	42	37	30	30							24	285	31	345	37	515
	CNT	27	26	28	25	25	27	27	26	25	24	23	21	23	22	26	27	27	27	28	28	28	28	28	26

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

FEBRUARY, 1961

TABLE 26

THULE, GREENLAND (76.6N, 68.8W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10		12	3	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	31	30	30	34	34	28	32	35	30	365	405	47	46	465	455	47	43	41	35	375	33	37	35	36
	UQ	23	22	13	17	17	15	15	19	22	18	18	20	22	20	20	22	22	20	14	19	44	44	17	17
	LQ	42	37	39	38	38	33	35	38	41	44	46	52	53	55	50	56	56	50	50	46	46	45	46	40
		29	25	28	28	28	25	26	29	28	35	39	36	37	40	36	36	36	37	46	36	28	33	28	32
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	247	260	2505	2535	248	252	2445	2575	2405	230	2345	224	223	225	224	2325	235	240	236	230	230	234	2345	237
	CNT	31	31	30	30	29	30	28	30	30	27	30	27	29	30	30	30	27	27	27	29	30	31	30	28
	UQ	265	300	275	278	264	268	264	271	250	249	255	240	244	240	247	245	250	250	250	250	250	254	254	250
	LQ	233	250	242	239	232	231	232	244	231	223	225	215	215	215	215	215	215	215	215	215	215	215	215	215
(M3000)F2	MED	U		U	U	U	U	U	U	U	U														
	CNT	300	290	2875	295	2875	290	285	290	3025	290	300	300	30	305	310	300	30	30	295	295	305	30	295	295
	UQ	20	22	10	11	10	13	12	19	20	18	24	27	27	30	27	30	27	27	25	25	305	30	25	24
	LQ	310	300	595	310	300	305	300	305	310	315	320	320	320	325	325	325	325	325	325	325	325	330	330	330
		285	270	285	285	280	280	260	280	290	280	290	290	290	290	290	290	290	290	285	285	285	285	285	285
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED								195	20	215	18	18	32	31	30	29	29	27	29	29	30	29	30	30
	CNT	31	31	31	31	31	31	29	30	30	31	30	31	30	31	31	30	31	31	30	30	31	31	31	32

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JANUARY, 1961

TABLE 27

POINT BARROW, ALASKA (71.3N, 156.8W)

TIME 150.0W

HOUR		00		02	03	04	05		07	08	09			2	3	14	15	16	17	18	19	20	2	22	23
foF2	MED	U	U	U	U	U	U	U	U	U	U	U						U	U	U	U	U	U	U	U
	CNT	31	36	36	365	43	33	33	30	365	375	37	43	49	56	56	57	51	405	325	265	29	30	34	32
	UQ	6	9	9	8	7	8	9	7	44	44	17	21	26	28	29	25	27	24	20	20	15	14	3	3
	LQ		39	40	38	43	42	42	42	44	43	48	50	56	62	64	65	58	48	36	30	34	36	38	36
			34	32	30	30	31	31	28	31	32	34	38	41	46	49	50	45	35	28	23	26	24	31	30
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED			U	U	U	U	U	U	U	U	U						U	U	U	U	U	U		
	CNT			300	290	300	290	280	280	280	2875	2975	310	310	315	315	310	305	3125	310	300	300	290		
	UQ	2	4	7	5	6	5	9	7	11	12	16	22	26	28	29	25	27	24	19	19	14	13	3	3
	LQ			315	320	310	300	300	280	290	300	305	320	315	325	325	325	320	320	320	310	305	300		
				295	285	290	260	260	280	260	270	290	300	300	300	300	305	300	295	300	290	295	270		
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	54	57	51	50	445	35	34	37	385	36	355	35		18				21	25	27	28	33	30	50
	CNT	31	29	31	27	30	29	27	25	28	25	28	28	29	29	30	29	29	29	31	30	30	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JANUARY, 1961

TABLE 28

POLE STATION (90.0S)

TIME 0.0

HOUR					03	04	05	06	07	08	09	10	11	12	13	4	5	6	7	8	9	20	2	22	23
foF2	MED	U		U	U	U	U	U	U	U	U	U	U		E										
	CNT	51	535	515	525	50	50	49	49	50	45	45	45	46	48	48	5	5	56	54	485	5	5	55	51
	UQ	23	22	24	24	23	26	20	22	16	18	19	21	20	24	4	4	4	6	7	6	4	4	4	4
	LQ	59	57	58	56	58	57	61	59	54	49	48	50	50	50	5	5	5	5	5	5	5	5	5	5
		47	48	44	42	44	45	45	45	43	43	39	40	44	44	4	4	4	5	4	4	4	4	4	4
h'F2	MED	350	385	390	395	360	395	400	350	420	510	595	580	585	470	28									
	CNT	18	17	22	22	20	20	17	22	18	14	12	11	10	14	2									
	UQ	380	460	440	430	380	480	520	410	540						45	45	45							
	LQ	325	340	350	345	340	350	365	330	400	415	450	385	385	380	5	5	5	5	5	5	5	5	5	5
h'F	MED	220	2225	2325	220	220	2175	215	210	205	210	2275	235	245	250	4	4	4	4	4	4	4	4	4	4
	CNT	28	26	28	28	29	28	27	28	27	25	20	18	20	23	2	2	2	2	2	2	2	2	2	2
	UQ	230	245	240	230	230	230	220	220	215	220	240	275	260	275	4	4	4	4	4	4	4	4	4	4
	LQ	215	215	210	215	210	210	200	200	200	190	210	220	230	225	4	4	4	4	4	4	4	4	4	4
(M3000)F2	MED	U				U	U	U	U	U	U	U	U	U	U										
	CNT	290	2875	280	2825	275	270	2575	280	250	250	235	2625	270	285	4	4	4	4	4	4	4	4	4	4
	UQ	15	16	20	18	17	14	10	13	9	13	10	14	17	24	4	4	4	4	4	4	4	4	4	4
	LQ	310	300	295	300	290	300	285	300	270	290	280	300	310	305	280	280	280	280	280	280	280	280	280	280
		280	270	270	260	260	250	230	245	230						280	275	270	270	265	255	270	275	270	275
foF1	MED	380	370	390	385	380	390	385	380	380	380	390	385	390	385	400	370	380	380	380	390	390	395	400	395
	CNT	11	10	20	20	23	23	22	23	23	19	11	12	9	10	10	10	15	19	16	17	14	8	12	8
foE	MED	260	250	260	260	260	260	260	260	270	265	300	295	295	300	295	290	2675	260	260	260	260	2675	260	2675
	CNT	25	25	23	28	29	27	28	30	26	25	20	20	15	20	23	21	22	26	29	29	28	20	26	24
h'E	MED	101	101	103	105	103	101	103	103	103	103	103	101	102	101	103	103	103	103	103	103	103	101	101	101
	CNT	29	29	27	29	29	28	30	31	29	28	24	21	20	22	25	21	25	30	30	30	30	29	30	28
foEs	MED	35	52	35	29		29				26				33						29	495	31	44	40
	CNT	31	31	31	31	31	31	31	31	31	31	27	30	30	31	31	30	31	31	31	31	30	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

JANUARY, 1961

TABLE 29

FF, MONMOUTH, NEW JERSEY (40.4N, 74.1W)

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED						305	255	355	69	85	102	1115	108	1055	107	105	100	925	80	60	48	41	36	34
	UQ						24	16	22	27	28	26	26	25	28	27	28	27	26	26	26	25	26	25	23
	LQ						35	30	38	79	93	108	120	116	116	115	113	108	99	87	67	56	48	42	40
							24	22	33	61	78	96	101	102	100	98	98	89	86	73	55	41	33	32	32
h'F2	MED														260										
	CNT														5										
	UQ										1	3	21	2	315	3									
	LQ														254										
h'F	MED						U 270	E 280	245	227	221	220	220	219	221	227	2275	223	221	220	220	240	U 263	U 270	E 283
	CNT						28	22	24	27	28	26	26	25	28	27	28	27	26	27	26	27	27	27	26
	UQ						318	330	260	235	229	225	225	226	230	236	234	230	230	227	230	260	293	300	300
	LQ						248	260	240	220	215	212	215	215	218	220	222	217	215	216	219	232	250	259	270
(M3000)F2	MED						2925	2875	310	340	335	330	325	320	3125	315	315	315	315	320	3175	300	295	295	290
	CNT						20	14	21	27	26	26	26	25	28	27	28	27	26	26	26	23	26	25	22
	UQ						305	300	320	345	340	340	330	325	320	325	330	330	320	330	330	315	309	300	300
	LQ						280	280	295	325	315	315	315	305	305	305	310	310	310	310	305	295	290	280	275
foF1	MED												1	11	1										
	CNT												1	1											
fxE	MED											270	2975	3101	315	310	4825	290							
	CNT											11	18	191	19	20	14	101	3						
f E	MED										E 115	U 120	E 120	E 1205	E 1195	115	118	E 1195	E 135						
	CNT										5	15	19	201	20	25	18	141	5						
foE6	MED						27	23	25	27	26	24	25	23	28	26	271	27	25	25	261	26	26	26	28
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

DECEMBER, 1960

TABLE 30

FF, MONMOUTH, NEW JERSEY (40.4N, 74.1W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10				14	15	16	17	18	19	20	21	22	23
foF2	MED	40	385	43	415	37	325	34	59	82	915	100													
	CNT	23	24	17	20	17	18	17	24	27	28	29													
	UQ	48	45	46	44	40	35	38	70	86	100	107													
	LQ	35	34	34	34	28	27	30	50	69	86	94													
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	E 285	U 287	E 2785	U 270																				
	CNT	26	27	26	26																				
	UQ	315	310	310	300																				
	LQ	270	265	270	253																				
(M3000)F2	MED	2825	2825	285	290																				
	CNT	22	22	17	17																				
	UQ	290	290	290	300																				
	LQ	275	280	280	285																				
foF1	MED																								
	CNT																								
fxE	MED																								
	CNT																								
f E	MED																								
	CNT																								
foE6	MED	27	27	27	28	28	26	25	26	26	26	26													
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

NOVEMBER, 1960

TABLE 31

FF, MONMOUTH, NEW JERSEY (40.4N, 74.1W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10				14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED			E 2925	U 2751	E																			
	CNT			28	29																				
	UQ			320	308																				
	LQ			282	280																				
(M3000)F2	MED			285	285	U 295																			
	CNT			16	12																				
	UQ			290	290																				
	LQ			275	280																				
foF1	MED																								
	CNT																								
fxE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foE6	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS.

OCTOBER, 1960

TABLE 32

AHMEDABAD, INDIA (23.0N, 72.6E)

TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11		13	14	15	16	17	18	19	20	21	22	23
foF2	MED	109	100	100	80	65	60	70	90	110	115	128	143	155	160	160	160	U 160	U 160	157	152	149	142	124	129
	CNT	27	26	26	27	25	26	24	23	21	30	27	25	29	26	29	27	30	28	26	24	26	27	25	25
	UQ																								
	LQ																								
h'F2	MED																								
	CNT									18	28	26	25												
	UQ																								
	LQ																								
h'F	MED	295	275	250	230	255	270	255	240	235	230	230	230	230	240	240	240	245	250	260	270	290	285	295	305
	CNT	29	27	29	28	29	28	27	26	25	29	26	25	25	25	25	26	28	28	28	30	29	30	28	29
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED									440	440	480	480	440	480	480	480	440	480						
	CNT									7	21	29	25	27	27	25	26	26	12	4					
fxE	MED							280	270	300	320	380	385	400	420	395	360	330	290	260	240				
	CNT						1	21	23	24	27	25	25	25	24	21	23	29	28	24	4	1			
h'E	MED							110	110	110	110	110	110	110	110	110	110	110	110	110	105				
	CNT							21	23	23	27	25	22	27	27	21	25	28	26	22	4				
foE6	MED	30	25	30	30	30	30	30	45	42	43	40	0	0	0	0	0	36	35	30	30	35	30	30	30
	CNT	29	26	27	27	28	28	26	26	25	30	30	0	0	0	0	0	29	28	27	30	29	29	28	28

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES. AUTOMATIC OPERATION.

APRIL, 1960

TABLE 33

EL CERILLO, MEXICO (19.3N, 99.5W) TIME 90.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	35	32	30	30	30	50	94	118	128	132	130	126	129	124	117	114	110	88	88	86	47	46
	CNT	[illegible]	[illegible]	29	30	29	29	31	30	29	29	29	29	29	28	28	29	28	27	27	28	27	28	28	24
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	290	290	300	280	270	265	280	300	330	330	325	310	300	290	290	290	290	300	310	320	320	315	310	305
	CNT	28	30	29	30	29	29	31	30	29	29	29	29	29	28	28	29	28	27	27	28	27	28	28	29
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	44	41	41	44	44	40	46	41	47	40	40	41	44	43	44	41	42	38	40	44	44	44	42	41
	CNT	24	25	27	24	26	24	20	26	29	29	29	29	28	28	28	29	28	27	25	26	27	24	23	22

SWEEP 1.0 MC TO 25.0 MC IN 18 SECONDS. DECEMBER, 1959

TABLE 34

SOTTENS, SWITZERLAND (46.6N, 6.7E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	41	[illegible]	[illegible]	32	37	66	89	98	93	96	97	97	95	92	87	70	67	57	48	45	44
	CNT	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	28	25	28	22	22	21	18	20	18	18	28	[illegible]	[illegible]	[illegible]	24	[illegible]	28	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	300	300	300	300	300	320	320	320	360	350	370	360		350		350	350	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	26	30	28	28	27	27	28	25	[illegible]	[illegible]	[illegible]	[illegible]		5		5	6	7	28	[illegible]	[illegible]	28	27	26
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									[illegible]	[illegible]	280	300	300	310	300	280	240	[illegible]						
	CNT									6	[illegible]	26	28	28	28	28	26	22	7						
h'E	MED									[illegible]	[illegible]	100	100	100	100	100	100	100	[illegible]						
	CNT									6	[illegible]	26	28	28	28	28	26	22	7						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. NOVEMBER, 1959

TABLE 35

SOTTENS, SWITZERLAND (46.6N, 6.7E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	48	46	47	44	43	40	55	72	85	86	88	88	90	89	90	86	85	79	69	65	58	56	50
	CNT	29	27	28	27	25	29	28	25	27	25	23	22	24	27	23	27	28	27	24	28	26	26	27	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	300	300	300	310	310	320	320	360	360	370	370	370	370	370	370	370	370	380	370	370	360	340	320	310
	CNT	29	27	28	27	23	26	28	24	26	23	23	22	24	26	22	27	28	27	23	27	26	26	26	25
	UQ																								
	LQ																								
foF	MED									320	380	440	410	440	450	445	440	390							
	CNT									5	14	29	22	24	27	12	14	5							
foE	MED									230	270	300	320	310	330	310	280	260	230	220					
	CNT								1	13	25	28	25	23	26	18	22	19	14	4	4				
h'E	MED									100	100	100	100	100	100	100	100	100	100	100					
	CNT								1	13	25	28	25	23	16	18	21	19	14	4	4				
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. OCTOBER, 1959

TABLE 36

WILKES STATION (66.3S, 110.5E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	57	58	U 60	60	U 66	U 68	U 65	U 64	U 66	U 60	U 60	U 58	U 58	U 55	52	U 46	U 46	U 47	U 38	U 46	U 48	51	57	60
	CNT	26	27	24	25	17	22	22	25	22	23	28	26	26	26	25	25	23	23	23	21	25	25	25	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	240	230	230	220	235	230	230	230	240	245	250	270	280	275	270	250	245	245	250	245	260	260	260	250
	CNT	25	26	24	17	12	16	16	17	24	27	25	26	27	28	28	28	24	25	23	24	26	25	26	23
	UQ																								
	LQ																								
(M3000)F2	MED	250	250	U 250	250	U 235	245	U 235	U 235	245	230	250	U 245	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	270	275	275	270
	CNT	[illegible]	[illegible]	[illegible]	16	[illegible]	16	19	18	17	20	24	21	20	[illegible]	18	17	17	14	17	14	16	21	19	18
	UQ																								
	LQ																								
foF	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]												U 390
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]												9
foE	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			E 100	E 100	E 100	[illegible]	[illegible]	U 240
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			22	22	20	[illegible]	[illegible]	26
h'E	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			E	E	F 18	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			22	22		[illegible]	[illegible]	[illegible]
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SEC. OR 30 SEC. OCTOBER, 1959

TABLE 37

PRUHONICE, CZECHOSLOVAKIA (50.0N, 14.6E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	54	[illegible]	48	45	46	52	64	62	78	86	89	93	94	94	94	90	88	90	88	79	70	63	59	54
	CNT	26	[illegible]	28	27	24	27	27	25	23	25	26	25	23	24	24	26	24	24	24	27	26	23	28	28
	UQ																								
	LQ																								
h F2	MED									340	340	360		320	340										
	CNT								3	4	8	8	1	6	4										
	UQ																								
	LQ																								
h F	MED	320	[illegible]	300	300	300	255	240	230	220	220	220	220	220	225	230	240	245	245	240	250	240	270	300	325
	CNT	27	26	25	23	22	23	24	24	19	20	20	22	23	19	21	26	24	25	26	28	26	24	25	27
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED									480	520	540		520	500										
	CNT							4	3	4	6	8	2	6	4										
foE	MED							290	270	300	330	340	350	350	360	340	330	290	260	220					
	CNT							8	4	10	14	14	16	18	15	14	14	16	5						
h'E	MED							100	100	100	105	100	100	100	100	100	100	100							
	CNT							12	13	12	14	16	18	29	16	14	15	16	2						
foEs	MED	L	E	L	L								L	C											
	CNT	19	23	21	27	25	31	23	27	32	35	36	35	36	32	34	36	25	23	23	30	26	34	24	
		13			25	11	14	22	22	19	25	27	23	23	22	24	24	26	19	17	14	40	5	8	

SWEEP 1.0 MC TO 18.0 MC.

SEPTEMBER, 1959

TABLE 38

CHRISTCHURCH, NEW ZEALAND (43.6S, 172.8E)

TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	70	70	66	62	57	52	51	63	78	85	102	105	110	110	105	104	100	99	100	92	87	81	76	74
		27	24	26	23	25	24	26	24	23	21	23	25	26	25	27	22	23	19	13	17	22	15	16	23
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED	290	280	270	270	290	290	280	250	240	230	230	220	230	220	230	230	240	240	240	240	250	260	270	290
	CNT	25	26	27	25	24	24	25	26	25	25	27	25	26	28	28	26	28	28	27	27	28	27	26	27
	UQ																								
	LQ																								
(M3000)F2	MED	U	U	U	L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	240	240	240	235	240	245	250	270	285	275	275	275	275	270	270	270	265	265	270	255	250	240	240	240
	UQ	26	23	24	24	23	23	26	23	22	20	22	25	26	24	27	22	22	16	12	16	21	19	13	20
	LQ																								
foF	MED											U	U	L	U	U	U	U	U	U	U	U	U	U	U
	CNT											490	540	520	480	490	490	480	480	480	480	480	480	480	480
												5	4	4	5	5	3								
foE	MED							U																	
	CNT							160	220	280	320	350	370	380	380	370	350	310	270	200					
								4	24	25	26	23	21	24	24	28	27	27	28	25					
h'E	MED							L																	
	CNT							120	165	105	100	100	100	100	100	100	105	105	110	140					
								2	14	25	25	25	23	26	27	28	28	27	28	14					
foEs	MED	E	E	E	E	E	E	E	G		G	G		G	G	G	G	G	G	G	E	E	E	E	E
	CNT	16	16	17	17	17	16	16		29			38								17	17	17	16	16
		26	26	27	26	26	26	24	25	26	26	27	25	27	28	29	28	28	28	28	26	28	27	27	27

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

SEPTEMBER, 1959

TABLE 39

GRAZ, AUSTRIA (47.1N, 15.5E)

TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U	U	U	U	U	U	U	85	84	87	91	89	89	84	85	85	83	85	88	87	84	79	72
	CNT	68	64	63	59	56	60	68	78	47	46	46	43	46	47	45	46	45	47	47	44	43	44	42	47
		25	27	26	23	24	24	24	25																
	UQ	70	70	66	64	61	64	76	84	89	90	93	93	94	93	91	92	90	89	89	89	92	87	84	77
	LQ	63	60	61	57	51	56	62	67	71	77	80	84	82	83	79	81	79	76	80	77	84	74	76	61
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 2.0 MC TO 18.0 MC IN 50 SECONDS.

AUGUST, 1959

TABLE 40

SOTTENS, SWITZERLAND (46.6N, 6.7E)

TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	5	16	17	18	19	20	21	22	23
foF2	MED	67	63	62	60	55	55	59	68	76	76	78	79	82	84	78	84	8.	75	78	79	81	76	77	68
	CNT	21	27	16	23	20	22	22	18	17	16	16	16	17	21	19	21	17	15	11	22	9	10	8	14
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	300	290	290	290	300	300	330	330	340	320	330	320	300	310	300	310	310	310	320	330	320	320	310	300
	CNT	24	27	26	27	15	16	21	14	16	15	13	13	17	21	18	20	14	12	10	21	7	8	7	12
	UQ																								
	LQ																								
foF1	MED							380	450	520	540	530	570	590	590	580	590	540	530	510	410				
	CNT							16	14	12	16	13	14	15	19	19	21	22	15	13	9				
foE	MED							230	270	310	340	360	360	370	380	370	380	350	320	280	250				
	CNT							19	26	22	27	23	20	20	19	21	22	23	24	23	11				
h'E	MED							100	100	100	100	100	100	100	100	100	100	100	90	100	110				
	CNT							14	26	22	27	23	20	20	19	21	22	23	24	23	11				
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS.

AUGUST, 1959

TABLE 41

CHRISTCHURCH, NEW ZEALAND 143.6S, 172.8E)

TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 55	U 57	U 52	U 52	U 47	U 44	U 38	U 41	U 71	U 90	U 101	U 109	U 111	U 111	U 110	U 105	U 100	U 95	U 88	U 82	U 72	U 65	U 62	U 59
	CNT	28	24	24	25	28	25	26	26	18	19	21	24	21	24	21	21	15	14	19	24	23	24	26	25
	UQ																								
	LQ																								
h'F2	MED									U 480	U 660	U 530	U 360	U 320	U 310	U 270	U 250	U 330							
	CNT									1	1	1	2	2	4	4	1	1							
	UQ																								
	LQ																								
h F	MED	U 240	240	240	240	240	240	245	250	240	240	230	230	230	230	230	230	240	240	230	240	240	240	240	240
	CNT	22	20	24	25	25	22	22	24	26	27	27	26	25	24	27	26	27	26	26	25	26	25	25	24
	UQ																								
	LQ																								
(M3000)F2	MED	245	250	240	245	255	255	U 260	U 265	285	290	295	295	290	285	275	290	280	285	275	270	255	250	U 245	U 250
	CNT	28	22	24	23	25	25	25	26	26	27	18	24	20	22	18	20	15	22	18	23	23	24	23	24
	UQ																								
	LQ																								
foF1	MED									U 400	U 370	U 420	440	460	470	490	480	430							
	CNT									1	1	1	2	1	4	4	1	1							
foE	MED									170	200	280	300	340	350	340	360	370	340	320					
	CNT									8	26	25	26	25	22	25	27	20	24	11					
h'F	MFD									U 150	170	165	190	200	190	190	205	190	185	205					
	CNT									3	11	25	25	27	24	25	24	24	13	2					
foEs	MED		E	E	E	E	E	E	E	0		29	33	36		0		34	31	26	U	L	L	L	L
	CNT	29	17	19	17	17	16	16	17		29	33	36	40	38		34	27	27	27	28	17	17	17	18
		27	25	26	24	27	26	26	23	27	27	25	27	27	26	27	27	27	27	28	27	27	27	27	26

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

AUGUST, 1959

TABLE 42

GRAZ, AUSTRIA (47.1N, 15.5E)

TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	72	70	66	63	61	67	74	81	79	80	80	84	82	82	84	82	80	79	78	82	83	84	78	76
	CNT	18	19	27	21	23	25	25	22	22	25	20	24	24	25	20	24	19	19	21	24	24	18	19	19
	UQ	73	75	70	68	65	71	79	86	90	92	90	93	90	89	88	87	84	83	84	87	88	87	85	79
	LQ	64	65	60	58	54	58	67	65	71	78	77	71	77	76	78	75	77	76	76	77	73	78	76	68
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 2.0 MC TO 18.0 MC IN 50 SECONDS.

JULY, 1959

TABLE 43

CHRISTCHURCH, NEW ZEALAND 143.6S, 172.8E)

TIME 180.0E

HOUR		0	0	02	03	04	05	06	07	08	09			12	3	14	5	6	7	18	9	20	21	22	23
foF2	MED	U 46	U 45	U 45	U 42	U 42	U 38	U 34	U 34	U 99	U 90	U 100	U 108	U 111	U 111	U 112	U 104	U 100	U 96	U 86	U 77	U 64	U 54	U 48	U 48
	CNT	29	26	28	29	29	29	27	29	23	26	21	24	22	20	22	24	18	21	25	28	28	29	27	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED	U 300	U 300	U 300	290	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	300
	CNT	29	23	27	27	26	29	29	23	27	27	28	26	27	25	29	27	27	27	27	26	27	28	29	27
	UQ																								
	LQ																								
(M3000)F2	MEL	290	290	290	290	290	290	290	290	290	290	290	290	290	285	290	300	280	290	290	275	275	280	280	280
	CNT	23	17	24	23	23	23	23	23	19	21	16	18	18	15	16	19	13	14	18	21	21	22	21	22
	UQ																								
	LQ																								
foF	MEL									300	300	310	310	470	460	450	460	390							
	CNT									1	1	1	1	2	4	3	1	1							
foE	MEL									280	280	290	300	320	320	320	300	300	300						
	CNT									22	26	25	24	25	22	25	24	24	27						
h E	MEL									120	120	120	120	120	120	120	120	120	117	117					
	CNT									1	1	2	2	2	1	2	2	1	2	1					
foEs	MEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNT	29	24	25	25	24	24	24	24	23	25	24	24	24	25	24	24	25	25	25	25	24	24	25	24

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

JULY, 1959

TABLE 44

MAWSON (67.6S, 62.9E)

TIME 0.0

HOUR		00	0	02	03	04	05	06	07	08	09	10	11	2	3	4	5	6	17	8	19	20	2	22	23
foF2	MED								85	95	115	115	120	100	85										
	CNT							5	7	7	7	14	15	15	13	2									
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED								250	260	250	250	250	250	250										
	CNT							5	7	7	7	14	15	15	13	2									
	UQ																								
	LQ																								
(M3000)F2	MED								300	300	300	300	300	300	300										
	CNT							5	7	7	7	14	15	15	13	2									
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS.

JULY, 1959

TABLE 45

SYOWA BASE, ANTARCTICA (69.0S, 39.6E)

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	43	47	46	45	39	42	44	38	42	43	50	54	78	86	94	94	92	80	70	46	42	26	26	31
	CNT	4	4	4	1	1	1	1	4	3	6	7	11	15	11	11	11	16	14	13	10	4	4	2	4
	UQ		46		50		46	46	42	48	52	58	64	86	96	98	98	98	89	83	54				45
	LQ		34		41		34	35	34	41	39	43	44	72	73	85	87	84	67	49	40				22
h'F2	MED										320	340	300	245	280	300	340								
	CNT										1	2	2	4	5	5	4								
h'F	MED	445	390	300	430	400	430	495	400	300	240	300	270	260	240	240	240	245	255	230	290	300	270	370	335
	CNT	4	4	4	5	4	4	6	6	1	5	8	7	7	11	12	14	17	18	19	11	3	1	4	3
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	32	240	300	310	320	320	280	240													300	280	290	320
	CNT	1	4	3	4	1	2	1	1													1	1	8	11
h'E	MED																								
	CNT																								
foEs	MED	35	46	44	46	40	36	46	36	38	40		36	32			37	33	18		43	30	34	34	34
	CNT	15	16	12	14	12	9	11	12	7	9		2	1			1	1	1		2	3	12	13	16

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS.

JULY, 1959

TABLE 46

CHRISTCHURCH, NEW ZEALAND (43.6S, 172.8E)

TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	49	48	46	45	46	43	46	36	64	72	103	111	114	116	117	107	108	100	84	77	67	58	55	48
	CNT	28	22	24	30	27	24	26	30	24	12	11	17	22	17	11	8	6	11	14	26	28	26	20	23
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	28	24	26	27	28	27	25	250	240	230	230	230	230	230	230	240	230	230	230	240	250	250	260	260
	CNT	26	22	22	28	24	28	25	26	30	24	29	29	29	28	25	25	29	26	24	28	28	25	26	22
	UQ																								
	LQ																								
(M3000)F2	MED	240	240	240	250	255	265	270	270	280	300	295	295	295	280	285	270	270	280	275	275	275	265	265	250
	CNT	28	22	23	28	26	24	26	29	23	11	8	17	21	17	8	6	5	9	17	25	27	25	28	23
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									280	290	290	310	300	320	320	290	280	280						
	CNT									25	27	27	28	24	24	23	19	20	21						
h'E	MED									100	110	100	100	100	100	100	105	100	110						
	CNT									5	19	25	30	30	29	23	21	20	3						
foEs	MED	E	E	E	E	E	E	E	E																
	CNT	26	16	16	16	16	17	20	26																
		30	29	29	30	30	30	30	4	30	30	30	30	30	30	29	29	29	26	29	29	29	29	29	29

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

JUNE, 1959

TABLE 47

SYOWA BASE, ANTARCTICA (69.0S, 39.6E)

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	38	40	38	36	37	38	40	42	44	43	52	67	83	94	98	98	83	80	63	43	29	34	37	38
	CNT	9	12	8	8	7	9	14	15	12	16	18	20	19	18	19	18	22	24	22	21	11	3	5	6
	UQ	44	52	53	46	46	46	50	53	47	53	55	74	88	101	101	101	96	93	69	52	35	37	50	42
	LQ	32	36	30	33	27	28	31	34	36	35	49	57	71	84	88	80	66	61	45	36	23	34	22	26
h'F2	MED										430	335		315	280	300	275	330							
	CNT										1	3		1	5	1	1	3							
	UQ																								
	LQ																								
h'F	MED	350	310	370	400	390	430	420	396	340	310	280	265	255	235	250	245	250	265	250	280	320	350	400	420
	CNT	13	14	9	12	11	7	15	16	15	16	18	22	18	17	24	28	24	27	26	22	13	3	7	10
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	280	330	310	280	290	330	270	345	290	245	175	180	185	200						300	305	315	300	310
	CNT	8	12	10	5	3	3	4	2	2	2	2	3	3	4						1	4	5	6	10
h'E	MED																								
	CNT																								
foEs	MED	36	38	39	37	38	42	44	38	38	44	36	31	36	25	31		24	30	30	27	32	32	36	36
	CNT	19	17	20	20	17	16	17	16	11	9	3	4	2	2	2		3	2	4	6	6	11	16	16

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS.

JUNE, 1959

TABLE 48

WINNIPEG, CANADA (49.9N, 97.4W)

TIME 90.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	3	14	15	16	17	18	19	20	21	22	23
foF2	MED	51	50	47	45	45	48	55	57	60	62	65	65	66	67	67	68	70	70	70	73	70	68	61	56
	CNT	25	24	24	25	28	28	26	28	27	28	27	27	28	28	28	28	29	28	28	27	27	27	28	26
	UQ																								
	LQ																								
h'F2	MED							470	510	500	510	550	520	560	550	520	500	480	430	410					
	CNT							9	19	18	16	21	24	26	26	25	24	22	19	10					
	UQ																								
	LQ																								
h'F	MED	310	330	340	320	340	300	270	240	230	230	220	230	220	230	230	230	230	240	250	270	290	290	290	300
	CNT	24	22	20	22	24	23	22	25	23	19	18	21	15	18	18	17	20	21	18	23	26	27	27	23
	UQ																								
	LQ																								
(M3000)F2	MED	260	260	250	260	250		270	250	250	250	240	240	240	230	240	240	240	250	260	270	260	260	260	260
	CNT	8	7	8	5	11	4	12	13	15	14	16	16	14	17	19	21	21	21	15	10	8	10	9	7
	UQ																								
	LQ																								
foF1	MED							390	430	480	500	510	520	530	540	530	530	510	500	470					
	CNT							11	20	21	22	25	27	27	27	27	27	21	20	10					
foE	MED						200	250	300	330	360	390	400	400	400	390	380	380	330	290	250	200			
	CNT						15	21	27	25	24	18	18	15	16	15	15	20	24	20	19	17			
h'E	MED						110	110	105	100	100	100	100	100	100	100	100	100	100	105	110	140			
	CNT						7	15	24	24	21	20	22	17	16	17	17	21	21	19	15	5			
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS.

MAY, 1959

TABLE 49

CHRISTCHURCH, NEW ZEALAND (43.6S, 172.8E)

TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	U 123	U 99	U 95	U 86	U 80	U 70	[illegible] 65	[illegible] 59
	CNT	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	4	6	10	20	26	26	24	25
	UQ																								
	LQ																								
h'F2	MED														[illegible]										
	CNT																								
	UQ																								
	LQ																								
h'F	MED	270	280	270	280	270	250	240	250	240	230	230	230	220	230	240	240	240	230	220	240	240	240	250	260
	CNT	24	26	27	28	28	29	29	31	31	31	29	29	29	31	31	31	31	30	30	29	31	28	28	25
	UQ																								
	LQ																								
(M3000)F2	MED	250	U 240	250	250	260	275	260	270	U 300	U 290	U 285	U 285	U 275	U 280	U 285	U 280	U 285	U 280	U 265	U 270	U 275	U 260	[illegible] 255	250
	CNT	25	29	30	30	29	30	30	29	21	13	11	16	11	11	13	7	2	6	9	20	26	25	23	24
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED								U 150	220	280	310	340	350	350	330	310	270	200						
	CNT								3	30	29	28	27	24	26	27	27	28	25						
h'E	MED								U 110	110	105	105	105	100	105	105	110	110	100						
	CNT								2	18	25	29	22	25	24	24	22	19	10						
foEs	MED	E 17	E 16	E 16	E 16	E 16	E 13	E 14	E 16	G 31	G 31	G 31	G 29	G 30	G 30	G 31	G 31	G 31	G 31	E 17	E 16	E 16	E 16	E 16	E 16
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	31	31	31	31	31	31	30	29	30	30	31	31	31	31	31	31	31	31	31	31

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

MAY. 1959

TABLE [illegible]

MAWSON (67.6S, 62.9E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED						85	90	100	110	115	116	110	110	90	70									
	CNT	1	1	1	1	2	6	10	13	14	18	18	22	21	17	7	1	1	1	1				1	
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED						280	250	250	250	250	250	250	250	250	250									
	CNT	1	1	1	1	2	6	10	13	14	18	18	22	21	17	7	1	1	1	1		1			
	UQ																								
	LQ																								
(M3000)F2	MED						310	305	310	310	310	300	295	300	320	310									
	CNT	1	1	1	1	2	6	10	13	14	18	18	22	21	17	7	1	.	.	.		1		.	.
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS.

MAY. 1959

TABLE 51

SYOWA BASE, ANTARCTICA (69.0S, 39.6E)

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	42	37	34	37	44	44	46	52	54	54	59	75	89	99	103	104	106	96	78	67	44	41	45	34
	CNT	14	7	6	8	12	13	14	16	14	17	17	21	17	20	21	17	22	22	26	23	18	12	7	4
	UQ	44	39	40	48	51	53	54	62	57	58	75	88	98	109	109	122	126	108	100	86	50	43	47	42
	LQ	37	25	30	31	36	36	37	44	47	43	54	68	81	82	84	86	74	76	56	52	33	33	26	24
h'F2	MED									375	300	280	290	285	285	285	300	280							
	CNT									1	1	3	5	6	3	7	5	1							
	UQ																								
	LQ																								
h'F	MED	340	350	340	400	420	415	400	445	365	300	270	240	230	240	230	230	245	240	240	265	290	320	285	320
	CNT	26	9	10	10	14	15	14	14	16	18	15	17	16	18	18	20	24	27	26	26	21	12	7	4
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foF	MED	280	280	280	310	250	325	310	340	315	230	200	210	220	225	210	185	170	275	250	335	360	280	310	280
	CNT	4	1	6	4	3	2	4	3	2	1	1	1	1	3	2	1	1	2	2	4	4	13	10	12
h'E	MED																								
	CNT																								
foEs	MED	E 35	E 42	E 49	E 53	E 40	E 37	E 39	E 41	E 41	E 36	E 43	E 22	E 28	E 23	E 22	E 18	E 27	E 28	E 25	E 25	E 30	E 28	E 33	E 37
	CNT	35	42	49	53	40	37	39	41	41	36	43	22	28	23	22	18	27	28	25	25	30	28	33	37

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS.

MAY. 1959

TABLE 52

CHRISTCHURCH, NEW ZEALAND (43.6S, 172.8E)

TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible] 74	[illegible] 71	[illegible] 69	[illegible] 68	[illegible] 63	[illegible] 64	[illegible] 52	[illegible] 60	[illegible] 79	[illegible] 94	[illegible] 107	[illegible] 118	[illegible] 121	[illegible] 128	[illegible] 127	[illegible] 125	[illegible] 123	[illegible] 101	[illegible] 74	[illegible] 93	[illegible] 91	[illegible] 83	[illegible] 75	[illegible] 77
	CNT	25	24	27	29	28	28	27	29	32	32	12	11	7	14	12	11	7	6	4	4	18	22	29	24
	UQ																								
	LQ																								
h'F2	MED												290	300											
	CNT												1	4											
	UQ																								
	LQ																								
h'F	MED	260	260	270	260	260	250	250	250	240	230	220	230	230	230	230	240	240	240	240	240	250	250	260	260
	CNT	22	21	25	25	28	29	29	30	30	30	30	28	27	27	28	28	30	30	30	28	26	26	22	23
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible] 245	245	[illegible] 250	250	250	[illegible] 255	260	275	280	280	[illegible] 280	[illegible] 275	[illegible] 275	[illegible] 275	[illegible] 280	[illegible] 280	[illegible] 275	[illegible] 260	[illegible] 265	265	[illegible] 265	[illegible] 255	[illegible] 255	[illegible] 255
	CNT	25	24	26	27	28	28	28	29	29	31	30	31	27	25	24	24	6	3	1	4	18	22	28	23
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								[illegible] 280	[illegible] 290	[illegible] 300	[illegible] 330	[illegible] 350	[illegible] 360	[illegible] 380	[illegible] 350	[illegible] 340	[illegible] 300	[illegible] 250	[illegible] 180					
	CNT								27	29	27	23	24	23	27	25	27	30	27	8					
h'E	MED								[illegible] 100	[illegible] 110	[illegible] 105	[illegible] 105	[illegible] 100	[illegible] 100	[illegible] 100	[illegible] 105	[illegible] 105	[illegible] 105	[illegible] 110	[illegible] 100					
	CNT								4	22	21	23	21	21	18	24	26	20	16	8					
foEs	MED	[illegible] 27	[illegible] 27	E [illegible] 26	E [illegible] 27	E [illegible] 15	E [illegible] 13	E [illegible] 15	E [illegible] 16	G	G	G	G	G	G	G	G	G	G	E [illegible] 22	E [illegible] 16	E [illegible] 17	E [illegible] 17	E [illegible] 17	E [illegible] 18
	CNT	27	27	3	4	15	13	29	24	29	30	30	30	30	30	30	30	30	30	28	30	30	30	30	30

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

APRIL. 1959

TABLE 53

SYOWA BASE, ANTARCTICA (69.0S, 39.6E)

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	46	45	44	43	42	41	42	58	68	76	84	94	100	107	111	121	123	122	110	62	48	38	47
	CNT	14	15	1	15	10	9	12	16	19	16	20	17	21	20	17	12	19	21	22	23	19	10	14	13
	UQ	4	4	4	4	5	5	6	7	7	7	8	7	8	8	8	6	7	8	8	8	7	4	5	5
	LQ	4	3	4	4	3	3	4	4	5	6	7	8	7	8	8	10	11	9	7	6	4	3	3	4
h'F2	MED							420		750	500	340	330	310	290	280	280	290	280	260					
	CNT							1		1	4	6	5	6	2	6	5	1	1	1					
	UQ																								
	LQ																								
h'F	MED	340	380	380	380	440	430	450	350	290	260	250	250	250	245	245	245	240	235	235	240	270	250	290	330
	CNT	16	19	16	18	20	13	19	16	16	15	14	17	17	20	20	24	28	26	28	28	27	19	15	17
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED								290	260	200			300		420									
	CNT								1	2	1			1		2									
foE	MED	240	260	260	280	270	220	240	280	180	220	240	250	260	260	240	220	200	230	250	340	290	310	280	260
	CNT	8	8	7	10	7	3	2	3	5	3	4	5	3	4	3	3	4	1	4	4	4	0	4	10
h'E	MED																								
	CNT																								
foEs	MED	E										E	E	E		E	E								
	CNT	32	37	37	32	35	34	37	34	30	44	26	28	28	27	24	23	20	20	20	30	34	34	35	34
		27	26	25	25	27	16	14	18	17	9	8	6	5	7	4	4	5	4	6	5	11	14	11	13

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS.

APRIL, 1959

TABLE 54

SYOWA BASE, ANTARCTICA (69.0S, 39.6E)

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	43	40	41	38	44	54	50	60	78	82	88	84	90	88	94	87	83	83	80	84	82	74	64	48
	CNT	12	9	11	14	16	14	12	18	18	14	12	12	14	14	14	17	23	18	24	18	21	15	12	14
	UQ	5	4	5	6	7	6	5	8	8	6	5	5	6	6	6	7	9	8	10	8	9	6	5	6
	LQ	3	3	4	5	5	4	4	5	5	5	4	4	4	4	4	5	7	7	8	6	6	5	4	5
h'F2	MED							490	470	340	320	300	290	290	280	280	280	290	290						
	CNT							2	4	5	6	7	6	4	4	4	3	4	1						
	UQ																								
	LQ																								
h'F	MED	310	365	400	420	415	400	320	300	270	260	260	260	250	250	250	250	250	245	250	245	250	240	240	295
	CNT	14	15	17	15	18	13	11	13	12	18	17	17	17	19	19	20	24	20	23	21	23	16	13	17
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF	MED					340			350	420	440	440	450	420	460	460	440	450							
	CNT					1			1	3	4	3	1	2	3	1	2	1							
foE	MED		14	33	26	286	22	320	260	240	270	300	300	300	310	320	290	270	240	260	330		330		240
	CNT		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1		1
h'E	MED																								
	CNT																								
foEs	MED	40	32	34	38	37	38	37	32	33	28	34	33	34	33	32	29	28	26	29	40	37	34	36	39
	CNT	18	19	21	20	28	13	11	10	14	9	6	8	8	8	8	6	8	5	5	4	7	11	12	15

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS.

MARCH, 1959

TABLE 55

WINNIPEG, CANADA (49.9N, 97.4W)

TIME 90.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	46	47	48	49	47	49	46	62	78	90	94	111	111	120	122	120	120	102	96	84	72	60	54
	CNT	23	21	28	19	24	20	25	23	23	24	24	27	26	23	22	20	21	19	20	20	23	24	20	21
	UQ																								
	LQ																								
h'F2	MED											1		2	1		2	1							
	CNT											1		1	1		1	1							
	UQ																								
	LQ																								
h'F	MED	280	300	290	300	290	290	290	260	230	220	210	210	210	220	210	210	220	220	210	210	210	230	240	260
	CNT	18	21	17	18	22	19	24	20	19	17	20	23	20	22	24	26	27	28	26	25	24	22	22	19
	UQ																								
	LQ																								
(M3000)F2	MED	290	290	290							300	300	310	300	300		290	300				320	310	320	300
	CNT	1	1	3	4	3	1	2	1	1	11	11	12	11	11		1	1	3			6	12	8	8
foF	MED																								
	CNT											1		3	1		2	1							
foE	MED									290	270	300	300	300	300	300	300	300	300	300	300	300	300	300	300
	CNT									11	14	16	16	17	17	18	20	21	22	18	20	17	18	17	18
h'E	MED									220	220	220	230	230	230	230	230	230	230	230	230	230	230	230	230
	CNT									7	7	8	12	12	13	13	17	24	15						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS.

FEBRUARY, 1959

TABLE 56

SYOWA BASE, ANTARCTICA (69.0S, 39.6E)

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	44	46	46	60	54	64	62	74	80	86	74	76	74	76	77	74	76	74	64	66	64	50	50
	CNT	7	8	7	7	7	8	7	8	7	7	7	10	10	10	11	14	13	13	11	14	10	7	9	8
	UQ	6	6	6	6	6	6	7	7	8	8	8	8	8	7	8	9	8	8	7	8	8	6	7	6
	LQ	4	4	4	4	5	5	6	6	6	6	6	6	7	6	6	6	6	5	5	4	5	4	5	4
h'F2	MED													520	490	460	480	480	450	430	460	440	420	360	390
	CNT													1	3	6	5	5	6	8	9	8	7	8	7
	UQ																								
	LQ																								
h'F	MED	350	370	335	440	365	380	300	280	270	255	255	250	260	255	260	250	250	255	265	290	280	280	340	330
	CNT	8	12	8	8	11	10	8	6	6	6	11	9	9	13	10	11	9	8	7	10	10	11	10	11
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF	MED							420	460	480	480	490	520	490	490	480	480	470	420	420					
	CNT							1	1	7	4	8	5	8	5	5	3	7	4	3					
foE	MED	230	300	280	270	290	280	280	350	320	310	300	300	330	350	300	320	300	280	270	240	230	240	290	340
	CNT	1	1	1	1	1	4	1	3	4	1	2	1	4	4	1	1	4	2	5	5	4	4	1	1
h'E	MED																								
	CNT																								
foEs	MED	46	44	47	44	43	33	27	44	36	34	34	38	44	38	46	35	30	34	29	33	34	38	38	34
	CNT	12	14	12	15	12	7	5	5	8	8	6	5	4	3	5	3	4	5	6	7	9	9	11	10

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS.

FEBRUARY, 1959

TABLE 57

RAROTONGA 1. (21.2S, 159.8W)

TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	97	94	95	93	88	86	95	107	113	123	133	144	156	155	144	126	115	114	106	101	97	98	100	98
	CNT	42	23	27	26	31	30	29	30	30	31	31	30	31	31	33	31	29	26	25	21	20	14	24	20
	UQ																								
	LQ																								
h'F2	MED										400	400	420	430	400	400	400	400	390						
	CNT										3	12	24	30	31	29	31	20	11						
	UQ																								
	LQ																								
h'F	MED	300	320	300	290	280	300	250	250	240	230	230	230	220	220	240	230	250	250	230	240	280	270	270	300
	CNT	29	27	31	29	28	24	29	26	27	26	20	24	23	19	18	20	14	22	19	15	20	20	17	17
	UQ																								
	LQ																								
(M3000)F2	MED	240	240	240	240	245	245	260	270	245	240	240	240	240	240	240	240	235	235	230	230	220	230	240	240
	CNT	22	23	27	26	31	30	29	30	30	31	31	30	31	31	30	31	25	23	22	20	17	20	14	20
	UQ																								
	LQ																								
foF1	MED										540	550	560	580	570	560	540	530	520						
	CNT										4	4	4	22	11	7	6	4	3						
foE	MED							220	260	340	370	420	430	430	440	440	420	400	360	320	280				
	CNT							2	22	26	22	23	18	17	15	10	14	17	11	11	4				
h'E	MED							110	110	105	105	105	105	105	105	105	105	110	110						
	CNT							17	22	26	26	22	20	20	22	22	23	22	17						
foEs	MED	28	29	26	24	27	30	33	42	43	46	46	46	45	47	47	44	47	42	38	33	31	30	32	30
	CNT	31	31	31	31	31	31	30	30	26	31	30	29	31	28	30	31	31	31	32	30	31	31	32	31

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

JANUARY, 1959

TABLE 58

PRUHONICE, CZECHOSLOVAKIA (50.0N, 14.6E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	36	37	35	33	34	33	39	72	110	121	127	129	128	127	114	109	97	72	61	48	40	39	39	38
	CNT	28	26	25	26	24	24	24	25	25	25	27	21	24	23	21	19	20	18	25	24	22	20	20	22
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	320	310	300	270	270	250	250	220	220	225	245	220	225	220	230	220	240	220	220	235	255	295	290	325
	CNT	29	29	29	27	25	23	25	29	30	29	29	27	30	30	30	29	26	26	29	22	18	18	17	14
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								200	250	290	310	320	300	290	260									
	CNT								6	7	13	14	12	22	14	9	4								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 18.0 MC.

DECEMBER, 1958

TABLE 59

SALISBURY, SOUTHERN RHODESIA (17.8S, 31.0 E)

TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U	U	U	U	U	U	U	U	U	U	U				U	U						U	
	CNT	65	61	56	46	50	49	80	100	108	110	120	105				100	60						100	
	UQ	4	4	8	12	12	9	3	1	2	8	2	1				3	1						1	
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U	U	U	U	U	U	U	U	U	U	U	U				U	U						U	
	CNT	350	350	310	315	325	320	350	360	350	335	360	310				310							310	
	UQ	4	3	8	11	12	9	3	1	2	8	1	1				3							1	
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							U	U	U	U	U	U	U	U	U									
	CNT							150	280	320	300	370	400	320	400	390	370	300	300						
	UQ							1	17	26	19	9	1	1	1	3	17	13	6						
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	G	G	G	G	G	E	G	G	G	G	G	E	E	E	E	E	E
	CNT	20	19	23	25	20	19	23	25	28	28	21	9	6	5	12	24	26	15	6	1	1	3	8	14

SWEEP 1.0 MC TO 16.0 MC IN 7 SECONDS.

SEPTEMBER, 1958

TABLE 60

SALISBURY, SOUTHERN RHODESIA (17.8S, 31.0 E)

TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT	48	45	34	25	30	30	42	80	135	120	130	90			130	90	93							
	UQ	4	6	7	9	9	7	6	2	2	4	2	6			4	5	4							
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U	U	U	U	U	U	U	U	U	U	U	U			U	U	U							
	CNT	345	335	340	350	330	340	355	390	355	360	355	355			340	335	345							
	UQ	4	6	5	5	5	7	8	2	2	9	6	2			1	4	4							
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								U	U	U	U	U			U	U								
	CNT								180	340	350	370	355			380	350	350							
	UQ								1	3	17	15	2			2	17	14							
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	E	G	G	G				G	G							E	
	CNT	4	7	5	5	5	20 8	20 9	21 3	3	19	16				2	18	10						1	

SWEEP 1.0 MC TO 16.0 MC IN 7 SECONDS.

JUNE, 1958

TABLE 61

TIME 00.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	56	54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47	86	[illegible]	D 102	D 110	D 100	D 110	D 102	D 106	D 100	D 100	U 85	U 80	U 66	U 60	56	59
	CNT	14	23	22	17	17	21	24	15	27	14	6	10	9	8	9	10	10	19	18	21	19	21	20	22
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	220	215	215	220	225	230	225	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	8	8	7	9	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
(M3000)F2	MED	240	250	250	250	260	260	260	265	285		J 275			U 320		U 315	U 285	U 270	U 295	U 280	U 315	U 285	270	255
	CNT	16	17	18	17	19	20	18	20	9		1			1		1	2	3	5	4	9	9	10	15
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	U 195				U 160			U 175	290	U 310	U 395	U 400	405			U 380	[illegible]	[illegible]	[illegible]					
	CNT	1				1			2	11	9	3	3	2			3	[illegible]	[illegible]	[illegible]					
h'E	MED									153	106	104	105	105	101						[illegible]				
	CNT									4	2	2	3	2	1						[illegible]				
foEs	MED																								
	CNT																								

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS.

JUNE, 1958

TABLE 62

SALISBURY, SOUTHERN RHODESIA(17.8S, 31.0 E)

TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 60	U 50	U 50	U 40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	17	19	20	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	U 320	U 310	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	17	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foF	MED								[illegible]	[illegible]		[illegible]	[illegible]												
	CNT								[illegible]	[illegible]		[illegible]	[illegible]												
h E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 16.0 MC IN 7 SECONDS.

MAY, 1958

TABLE 63

SALISBURY, SOUTHERN RHODESIA(17.8S, 31.0 E)

TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 70	U 70	68	59	47	42	38	260	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]							[illegible]
	CNT	17	17	16	16	16	16	18	3	[illegible]	[illegible]	[illegible]	[illegible]			8	17	16							7
	UQ																								
	LQ																								
h'F2	MED										280	300				300	290	290							
	CNT										1	3				3	12	8							
	UQ																								
	LQ																								
h F	MED	260	250	250	250	250	255	290	U 250	U [illegible]	[illegible]	[illegible]				290	290	290							[illegible]
	CNT	17	17	18	16	16	16	18	3	[illegible]	[illegible]	[illegible]				8	18	17							[illegible]
	UQ																								
	LQ																								
(M3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]							[illegible]
	CNT	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				8	17	16							[illegible]
	UQ																								
	LQ																								
foF1	MED											J 650				[illegible]	[illegible]	[illegible]							
	CNT											[illegible]				[illegible]	[illegible]	[illegible]							
foE	MED								J 300	U 300	360	380				J 440	380	300							
	CNT								1	[illegible]	11	11				3	[illegible]	13							
h'E	MED								J [illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]							
	CNT								1	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]							
foEs	MED	E 11	E	F	F	F	F	[illegible]	E 17	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]							[illegible]
	CNT	17	17	18	17	16	17	17	3	3	16	12				[illegible]	[illegible]	17							[illegible]

SWEEP 1.0 MC TO 16.0 MC IN 7 SECONDS.

APRIL, 1958

TABLE 64

SALISBURY, SOUTHERN RHODESIA(17.8S, 31.0 E)

TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 72	U 67	U 60	U 55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]
	CNT	22	26	23	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				7	20	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	LQ																								
	UQ																								
(M3000)F2	MED	U 290	U 290	U 290	U 290	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				U [illegible]	[illegible]	[illegible]							[illegible]
	CNT	22	26	23	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				7	20	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							U [illegible]	[illegible]	[illegible]	[illegible]	[illegible]				J [illegible]	[illegible]	[illegible]							
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]							
h E	MED																								
	CNT																								
foEs	MED	E [illegible]	[illegible]	E [illegible]	E [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 16.0 MC IN 7 SECONDS.

FEBRUARY, 1958

TABLE 65

POITIERS, FRANCE (46.6N, 0.3E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED					U 46	45	U 44	U 59	U 103	U 130	150	U 140	D 140	U 140	U 134	U 130	U 120	D 106	D 90	U 85	U 69	U 66	60	60
	CNT					30	29	30	30	30	30	30	31	31	31	30	30	30	30	30	30	30	30	29	30
	UQ																								
	LQ																								
h'F2	MED	U 350							U 275		U 250	250	260	275	295	275	270	U 285				U 295	U 300		
	CNT	1							2		4	6	5	8	10	11	6	1				2	1		
	UQ																								
	LQ																								
h'F	MED	E 305	E 305	E 310	E 300	E 280	E 275	E 270	245	230	225	225	230	225	230	230	235	230	225	230	235	E 245	E 275	E 295	E 315
	CNT	30	30	30	30	30	29	30	30	30	30	30	31	30	31	31	31	30	30	30	30	30	30	30	30
	UQ																								
	LQ																								
(M3000)F2	MED	240	240	250	250	270	255	265	260	U 312	285	U 295	U 272	U 275	U 285	U 280	U 255				U 260	265	260	252	242
	CNT	11	12	13	13	13	14	17	9	2	4	3	2	1	2	3	1				1	7	7	14	12
	UQ																								
	LQ																								
foF1	MED													U 750	U 820	U 860	U 860								
	CNT													5	3	2	1								
foF	MED								E					240	270	305	330	335	325	300	280	180	E		
	CNT								2					38	30	29	31	30	29	31	27	23	26		
h'E	MED								E					160	115	110	110	110	110	110	120	E	E		
	CNT								2					21	29	29	29	31	27	27	24	20	26		
foEs	MED	E	E	E	E	E	E	E	E					22	30	33	35	35	34	29	28	22	E	E	E
	CNT	30	30	30	30	30	30	30	30					30	30	30	31	31	30	31	31	30	30	30	30

SWEEP 1.5 MC TO 16.5 MC.

DECEMBER, 1957

TABLE 66

CASABLANCA, MOROCCO (33.6N, 7.6W)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	80	78	73	66	59	52	51	64	108	129	131	132	132	132	126	124	120	112	95	95	92	87	86	84
	CNT	30	29	30	29	29	26	27	29	28	30	25	31	30	27	27	30	30	28	25	24	28	24	28	24
	UQ																								
	LQ																								
h'F2	MED										U 250		U 235	U 305	345	370	U 340	U 310							
	CNT										3		3	4	7	7	2	1							
	UQ																								
	LQ																								
h'F	MED	E 270	E 260	E 270	E 255	E 250	E 255	E 285	260	240	235	230	225	230	235	245	245	230	235	240	255	L 275	L 265	L 260	L 275
	CNT	30	30	30	30	30	29	29	29	29	31	30	31	29	29	29	31	30	30	31	31	31	31	31	30
	UQ																								
	LQ																								
(M3000)F2	MED	270	270	270	270	270	270	280	280	280	300	290	280	280	280	260	252	252	250	247	U 270	270	260	260	270
	CNT	28	28	28	28	28	28	28	28	28	25	19	27	27	28	28	26	28	19	8	15	17	16	21	17
	UQ																								
	LQ																								
foF1	MED										U 380		U 640	U 580	720	840		U 600							
	CNT										4		4	1	2	8		1							
foE	MED								E					220	310	350	370	380	380	360	345	300	210		
	CNT								28					26	32	29	29	24	22	27	30	27	18	24	
h'E	MED								E					130	120	110	110	110	110	115	115	120	130	E	
	CNT								28					22	27	28	30	26	21	28	30	27	17	25	
foEs	MED	E	E	E	E	E	E	E	E	U	U	U	U	U	U	U	U	U	U	E	E	E	E	E	E
	CNT	29	30	29	29	30	29	28	29	28	31	30	31	29	29	29	31	31	28	30	32	28	30	30	29

SWEEP 1.5 MC TO 16.5 MC.

DECEMBER, 1957

TABLE 67

DAKAR, FRENCH W. AFRICA (14.7N, 17.4W)

TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10		12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED				U 104	U 108	88	U 69	64	114	U 153	U 160	167	U 163	U 157	U 157	U 153	U 151			U 128				
	CNT				2	3	4	8	11	5	3	5	5	3	5	6	1	1			4				
	UQ																								
	LQ																								
h'F2	MED												U 425	U 475	475	U 445	500	490	U 495						
	CNT												1	3	5	3	6	5	4						
	UQ																								
	LQ																								
h'F	MED	255	230	220	220	222	230	230	245	240	230	220	210	210	210	E 225	245	220	240	260	310	380	380	312	278
	CNT	24	23	23	23	22	21	21	21	24	26	21	19	20	13	9	16	18	20	25	24	24	24	23	25
	UQ																								
	LQ																								
(M3000)F2	MED				L 290	L 285	L 292	L 300	305	305	300	295	270	L 245	L 230	L 232	L 220	L 245			L 240				
	CNT				2	3	4	7	4	5	3	4	5	3	3	4	1	1			1				
	UQ																								
	LQ																								
foF	MED													L 720	L 700	L 680	U 670	U 680							
	CNT													4	4	4	2	1							
foE	MED								E	240	324	U 372	J 400	U 430	U 430	U 360	J 410	L 350	315	245	L 140				
	CNT								11	15	16	8	8	2	3	1	5	3	10	18	4				
h'E	MED								E	110	105	100	95	95	95	L 100	100	105	111		L				
	CNT								10	14	20	16	12	13	10	4	17	22	22	14	1				
foEs	MED		E	E		33	34	34	34	31	35	46	46	47	35	50	35	48	45	35	35	35		E	27
	CNT	24	23	23	23	22	21	21	21	22	19	21	18	20	15	12	20	23	20	25	25	26	22	22	24

SWEEP 1.2 MC TO 20.0 MC.

DECEMBER, 1957

TABLE 68

DJIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E)

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 102	U 100	J 92	U 88	J 82	78	70	U 114	U 135	J 135	J 138	J 137	U 138	138	136	U 138	U 136	U 130	U 105	J 92	U 96	U 90	U 87	U 92
	CNT	4	4	8	10	14	17	23	30	17	14	11	11	15	15	12	5	10	4	10	5	4	3	3	7
	UQ																								
	LQ																								
h'F2	MED											J 470	490	485	495	500	500	500							
	CNT											1	5	19	13	20	10	0							
	UQ																								
	LQ																								
h'F	MED	295	282	255	242	235	230	240	268	250	240	235	230	230	230	230	240	250	280	330	440	420	374	315	302
	CNT	23	22	27	30	30	29	24	28	30	31	27	29	27	29	28	31	29	28	30	29	10	14	14	16
	UQ																								
	LQ																								
(M3000)F2	MED	J 238	J 260	L 240	L 278	U 275	295	L 280	J 268	J 260	L 235	L 225	L 215	L 208	205	205	L 210	L 210	L 202	L 200	U 192	L 185	L 200	L 210	L 225
	CNT	4	3	8	12	14	17	24	22	17	11	11	11	14	13	12	5	7	4	7	4	4	3	3	7
	UQ																								
	LQ																								
foF1	MED													L 760	U 730	L 760	U 810								
	CNT													7	10	4	3								
foE	MED			F	L	L	L	L	255	330	U 370	400	L 420	L 420	U 430	410	384	J 340	U 270	L	L	L			
	CNT			3	6	4	6	25	27	27	22	16	13	10	19	19	22	17	12	17	15	5			
h'F	MED			F	L	F	F	L	120	110	110	120	110	110	120	110	115	110	130	L	L	L			
	CNT			3	6	4	6	26	12	14	14	7	11	7	14	10	8	2	3	10	6	6			
foEs	MED	24	23	23	23	22	22	24	24	40	44	80	80	45	48	80	47	78	46	42	22	22	23	32	32
	CNT	31	31	31	30	29	29	29	28	30	31	27	29	28	29	27	29	29	30	31	31	29	31	29	31

SWEEP 1.25 MC TO 20.0 MC.

DECEMBER, 1957

TABLE 69

TAHITI (17.7S, 149.3W)

TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	94	86	81	81	79	76	81	100	118	116	104	104	102	104	102	104	100	107	105	110	116	110	111	104
	CNT	31	29	4	26	27	25	23	26	24	20	18	24	25	24	27	25	29	26	25	27	28	27	29	30
	UQ																								
	LQ																								
h'F2	MED										U 435	480	500	490	485	475	480	480	455	U 420					
	CNT										4	12	23	24	22	27	24	24	17	4					
	UQ																								
	LQ																								
h'F	MED	328	340	355	345	325	325	270	240	240	240	240	245	240	240	245	240	240	260	300	320	340	350	340	350
	CNT	30	29	29	27	27	25	24	23	22	18	17	17	20	19	22	19	20	17	16	16	19	22	22	21
	UQ																								
	LQ																								
(M3000)F2	MED	230	232	230	230	230	240	270	260	240	235	228	228	230	225	230	230	230	235	240	240	240	240	235	240
	CNT	29	28	26	28	25	25	25	26	24	19	20	24	25	23	27	25	22	25	24	24	27	27	29	29
	UQ																								
	LQ																								
foF	MED										700	720	720	740	680	670	650	680	650	750					
	CNT										4	6	23	18	28	25	27	8	4	4					
foE	MED						E 280	290	330	U 370	400	445	500		450			380	320	290	140				
	CNT						22	22	13	6	4	4	4		4			11	18	8	3				
h E	MED					E 16	115	105	100	100	105			110				110	110	110	E				
	CNT					21	23	22	42	7	2			3				24	24	14	1				
foEs	MED	31	31	31	30	29	30	31	38	41	45	50	52	64	48	38	39	41	38	40	38	35	32	33	31
	CNT	31	28	28	28	27	26	25	26	23	17	13	7	6	5	9	23	25	26	28	29	28	28	30	31

SWEEP 1.2 MC TO 17.0 MC.

DECEMBER, 1957

TABLE 70

TANANARIVE, MADAGASCAR (18.8S, 47.5E)

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 80	U 76	U 75	U 70	60	70	83	91	94							94	U 93	U 94	U 90	U 90	U 90	U 90	U 90	U 87
	CNT	16	16	18	18	17	18	20	8	2							1	2	4	10	5	4	-	20	17
	UQ																								
	LQ																								
h'F2	MED							U 435			U 470	U 470	U 490	U 480	U 480	485	U 475	U 420	U 380						
	CNT							1			1	3	3	3	3	5	3	7	4						
	UQ																								
	LQ																								
h'F	MED	275	E 270	E 275	E 285	282	295	250	232	U 232	U 220	U 220					232	230	240	270	285	280	295	E 275	E 262
	CNT	21	21	23	23	23	26	24	14	4	3	1					4	4	12	18	19	12	11	13	20
	UQ																								
	LQ																								
(M3000)F2	MED	268	U 265	U 270	255	255	258	282	U 260	U 235								U 240	U 240	U 245				U 270	275
	CNT	6	4	6	7	8	6	14	3	1								4	5	4				4	4
foF1	MED																	U 260							
	CNT																	6							
foE	MED	E	E	E	E	E	132	264									U 378	365	320	U 235					E
	CNT	3	7	7	13	14	16	16									2	7	17	1					2
h'E	MED	E	E	F	E	E	E	115	110	105	U 105	U 100	U 100				105	110	115						E
	CNT	3	7	7	13	19	16	17	14	7	7	2	1				1	14	16						2
foEs	MED	17	28	U	15	15	19	23	U 34	U 38	U 68	U 48				U 92	90	50	38	32	31	37	31	31	28
	CNT	23	25	24	27	27	25	25	3	3	2	1				2	6	11	20	18	15	9	11	10	23

SWEEP 1.25 MC TO 20.0 MC.

DECEMBER, 1957

TABLE 71

POITIERS, FRANCE (46.6N, 0.3E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	69	U 68	64	64	U 58	50	U 52	U 80	U 120	140	D 130	D 140	D 140	140	D 138	D 130	D 130	130	90	90	U 90	U 74	U 71	70
	CNT	28	28	28	27	28	28	28	28	29	29	29	29	29	29	29	29	28	28	28	28	28	28	28	28
	UQ																								
	LQ																								
h'F2	MED										250	275	270	295	298	265	305				400	350		500	
	CNT										3	5	6	5	6	5	-				-	4		1	
h'F	MED	F 300	E 300	E 302	E 295	E 280	E 258	E 260	245	230	230	225	230	225	230	240	235	238	225	230	235	248	260	270	E 300
	CNT	28	28	28	28	28	28	27	28	29	29	29	29	29	29	29	29	28	28	28	28	28	27	27	27
	UQ																								
	LQ																								
(M3000)F2	MED	238	242	245	252	275	255	260	280	275	260	255										235	245	248	245
	CNT	16	8	13	12	22	14	20	14	2	2	3										3	6	12	11
	UQ																								
	LQ																								
foF1	MED											600	570	U 720	660	700	670	660			240			220	
	CNT											4	3	4	1	1	1	1			4			4	
foE	MED								190	250	300	310	315	360	345	340	275	230	E						
	CNT								26	24	27	27	28	24	24	24	28	24	20						
h'E	MED								120	145	140	140	115	110	110	110	115	E 4	E 20						
	CNT								7	17	14	14	21	24	28	28	21	4	20						
foEs	MED	F 28	E 28	28	F 28	E 28	28	28	28	43	34	30	34	28	34	43	48	44	43	28	28	28	28	28	28
	CNT	28	28	28	28	28	28	28	28	27	24	27	24	29	29	29	29	28	28	28	28	28	28	28	28

SWEEP 1.5 MC TO 16.5 MC IN 1 MINUTE.

NOVEMBER, 1957

TABLE 72

CASABLANCA, MOROCCO (33.6N, 7.6W).

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	80	85	80	78	69	56	55	83	121	135	145	140	145	140	138	135	133	U 128	123	U 112	107	93	90	89
	CNT	28	29	30	28	29	27	29	29	29	25	28	28	28	28	28	28	30	29	30	28	28	26	27	28
	UQ																								
	LQ																								
h F2	MED												U 275	U 350	350	U 370	U 330								
	CNT												2	4	9	3	4								
h'F	MED	230	E 265	280	250	E 245	240	275	255	230	230	225	225	220	230	230	235	245	245	242	E 255	E 265	E 270	E 280	E 270
	CNT	30	1	30	29	29	29	29	29	29	28	28	28	29	29	29	30	30	30	30	30	30	29	30	30
	UQ																								
	LQ																								
(M3000)F2	MED	270	268	277	280	290	275	274	300	302	294	282	270	280	290	290	288	290	280	285	270	280	288	272	265
	CNT	22	28	27	29	29	27	26	29	26	1	28	23	26	26	28	23	26	23	29	23	8	12	14	19
	UQ																								
	LQ																								
foF	MED													840	740	690									
	CNT													4	3	1									
foE	MED								E	260	320	360	380	390	390	380	330	295	210						
	CNT								21	28	24	25	24	20	22	23	26	20	10						
h'E	MED								E 2	125	105	100	105	100	105	100	100	105	L 130						
	CNT								2	17	23	24	23	29	25	28	26	26	5						
foEs	MED	F 24	31	L 41	F 47	F 28	L 47	L 28	L 28	24	48	28	28	24	29	29	30	30	L 25	E 23	E 27	E 25	E 22	E 24	E 26
	CNT	28	28	28	28	28	27	28	28	24	28	28	28	24	29	29	30	30	25	23	27	25	22	24	26

SWEEP 1.5 MC TO 16.5 MC.

NOVEMBER, 1957

TABLE 73

TAMANRASSET, FRENCH W. AFRICA (22.8N, 5.5E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	7	18	19	20	21	22	23
foF2	MED	D 125	128	U 120	D 55	D 52	50	D 75	135	D 142	145	U 138	U 142	U 142	U 140	U 142	U 144	U 140	U 140		U 130	U 130		U 140	U 130
	CNT	5	6	3	8	14	13	6	14	8	7	4	4	4	6	6	3	4	1		2	4		1	3
	UQ																								
	LQ																								
h'F2	MED											U 352	U 430	420	440	U 444	U 430	U 440							
	CNT											2	13	28	17	16	4	2							
	UQ																								
	LQ																								
h F	MED	230	225	222	215	235	270	270	280	240	230	235	230	230	235	240	250	260	280	320	350	300	260	245	240
	CNT	20	21	20	20	21	19	20	18	18	20	19	20	21	19	19	19	21	23	17	19	22	23	22	23
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED											U 840	U 800	U 750	U 740	U 700	U 740								
	CNT											1	11	13	20	10	4								
foE	MED				L	E			U 180	U 340	U 360	U 360	U 385	U 372	U 372	U 395	U 342	U 280		E	E				
	CNT				1	4		16	10	7	5	5	4	4	1	8	14	17	18	15					
h'E	MED				L	E	E		U 210	U 208	U 205	U 205	U 205	U 210	U 210	U 205	U 210	U 215		E	E				
	CNT				1	4	26	20	13	14	16	17	17	19	19	15	16	15	15	14					
foEs	MED	E	E	E	E	L			16	33	32	42	42	43	36	34	42	U 33	27	44	44	L	L	L	L
	CNT	20	20	23	23	21	17	19	17	11	11	15	15	12	13	10	10	20	21	17	19	22	23	22	23

SWEEP 1.36 MC TO 17.2 MC.

NOVEMBER, 1957

TABLE 74

DAKAR, FRENCH W. AFRICA (14.7N, 17.4W)

TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10		12	3	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 174	172	U	98	88	64	66	74	113	D 154	164	170	168	165	D 165	U 165	U 161						U 172	U 180
	CNT	3	6	3	4	12	14	18	18	5	4	12	15	14	4	5	3	4						3	1
	UQ																								
	LQ																								
h'F2	MED													U 435	U 488	U 480	U 470	U 470	U 475						
	CNT													3	4	3	2	2	4						
	UQ																								
	LQ																								
h F	MED	270	260	260	210	210	225	220	260	240	225	220	210	205	200	200	215	220	240	260	330	385	370	330	280
	CNT	27	24	28	4	18	24	28	28	26	28	28	18	11	13	1	14	9	16	24	28	24	21	25	26
	UQ																								
	LQ																								
(M3000)F2	MED	U 265	U 240		U 320	U 290	U 300	U 295	U 280	U 300	U 300	U 270	U 280	U 240	U 230	U 230	U 220	U 230						U 240	
	CNT	2	1		1	6	4	13	16	4	1	10	11	10	6	1	4	1						2	
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED						L	F	F	U 260	U 340	U 380	U 390	U 395	U 400	U 415	U 385	U 360	U 315	U 230		L			
	CNT						1	4	4	2	1	9	13	13	14	6	4	11	17	14		3			
h E	MED						L	F	L	U 210	U 200	U 205	U 200	U 200	U 205	U 200	U 200	U 200	U 200	U 220		L			
	CNT						1	2	1	20	17	21	21	21	24	24	20	24	17	7		3			
foEs	MED	E		F	F	E	F	F		U 31	U 35	U 41	U 43	U 40	U 43	U 44	U 42	U 44	U 50	U 32	U 46	L	L	L	L
	CNT	24	27	29	28	24	24	27	34	23	17	24	15	14	15	13	17	16	24	24	23	26	19	23	26

SWEEP 1.2 MC TO 20.0 MC.

NOVEMBER, 1957

TABLE 75

DJIBOUTI, FRENCH SOMALILAND (11.6N, 43.1E)

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 94	U 90	U 92	U 93	90	84	79	U 122	U 140		U 138	U 139	U 140	U 140	U 145	U 142	U 140	U 128	U 133	U 104	U 107	U 120		U 96
	CNT	4	3	8	18	15	20	19	11	11		3	4	7	8	6	8	4	3	4	4	2	2		3
	UQ																								
	LQ																								
h'F2	MED													U 480	U 512	U 522	U 540	U 565							
	CNT													4	10	8	5	2							
	UQ																								
	LQ																								
h'F	MED	U 262	255	250	240	U 235	225	270	260	245	240	230	230	230	230	230	240	250	280	340	430	400	350	285	280
	CNT	24	25	23	25	23	27	27	26	25	23	21	17	18	19	23	24	25	25	27	23	16	18	18	23
	UQ																								
	LQ																								
(M3000)F2	MED	U 238	U 250	U 265	U 270	280	295	280	U 265	U 248		U 215	U 208	U 210	U 205	U 210	U 205	U 212	U 192	U 195	U 190	U 210	U 210		U 240
	CNT	2	3	8	18	15	20	19	11	10		3	4	7	7	5	7	4	2	3	4	2	2		2
	UQ																								
	LQ																								
foF1	MED														U 820										
	CNT														1										
foE	MED			E	E	E	E	E	280	338	380	U 405	U 435	U 420	U 425	402	380	U 340	U 256	E	E	E			
	CNT			2	5	5	8	21	24	24	18	15	7	10	13	10	16	15	16	21	18	3			
h'E	MED			E	E	E	E	E	120	115	110	115	U 110	110	110	U 110	120	U 120	U 130	E	E	E			
	CNT			2	5	5	8	19	16	17	10	6	4	8	7	4	7	2	1	22	20	4			
foEs	MED	22	22	22	22	22	22	22	40	45	48	85	96	90	95	97	50	50	46	37	22	28	23	26	22
	CNT	29	28	28	28	28	28	27	26	25	24	25	24	20	17	17	17	26	26	26	28	29	27	27	28

SWEEP 1.25 MC TO 20.0 MC.

NOVEMBER, 1957

TABLE 76

TANANARIVE, MADAGASCAR (18.8S, 47.6E)

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	0		2	3	4	15	16	7	18	9	20	21	22	23
foF2	MED	82	80	78	74	63	74	91														U 96	U 92	D 89	U 86
	CNT	15	15	17	16	20	14	10														1	3	6	11
	UQ																								
	LQ																								
h'F2	MED															U 410	U 425								
	CNT															-1	5								
	UQ																								
	LQ																								
h'F	MED	U 258	260	295	280	295	298	250	235	U 230	U 225	U 220				U 230	230	250	255	290	285	285	E 280	280	260
	CNT	18	14	19	20	17	24	24	7	5	2	1				1	5	7	13	15	15	13	14	12	16
	UQ																								
	LQ																								
(M3000)F2	MED	U 250	U 245	250	U 255	U 250	U 260	U 278														U 280	U 285	U 284	
	CNT	2	5	7	10	9	9	4														2	1	4	
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	E	E	E	E	E	135	260										U 330	U 280	U 190			E		
	CNT	2	2	5	4	11	18	21										17	10	4			2		
h E	MED	E	E	E	E	E	E	E	U 180	U 190	U 200	U 190				U 220	U 220	U 220	U 220					E	
	CNT	4	4	4	4	4	4	4	4	4	4	4				4	5	10	10					4	
foEs	MED	U 30	U 27	U 27	U 27	U 27	U 27	U 26		U 40	U 40	U 43				U 48	U 42	U 35	30	U 30		U 30	U 31	U 34	U 26
	CNT	29	29	27	27	27	27	26		4	4	4				2	18	23	22	7		26	24	9	27

SWEEP 1.25 MC TO 20.0 MC.

NOVEMBER, 1957

TABLE 78

POITIERS, FRANCE (46.6N, 0.3E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	70	71	66	64	59	58	64	71	79	86	87	88	86	86	86	84	86	86	86	86	U 78	U 75	U 75	U 70
	CNT	34	32	31	31	31	30	32	29	31	30	30	30	32	30	30	31	34	32	30	29	26	25	29	30
	UQ																								
	LQ																								
h'F2	MED							360	345	340	345	345	350	350	355	350	350	345	345	340	280				
	CNT							1	4	23	25	27	27	30	29	29	31	29	24	22	1				
	UQ																								
	LQ																								
h'F	MED	E 325	E 320	E 310	E 310	285	275	260	245	225	215	215	215	215	220	225	230	230	250	250	250	E 265	E 260	E 260	E 260
	CNT	28	27	26	24	20	21	25	29	29	29	28	28	1	28	28	27	26	26	28	7	18	22	28	28
	UQ																								
	LQ																								
(M3000)F2	MED	290	285	285	280	280	280	310	310	290	290	285	285	280	280	270	270	275	285	290	280	280	U 280	280	280
	CNT	4	5	6	6	4	4	14	14	10	11	20	18	6	7	13	15	11	11	7	3	1	2	1	3
	UQ																								
	LQ																								
foF	MED							405	405	405	395	395	395	395	395	395	395	395	405	415					
	CNT							24	27	28	28	28	28	28	28	28	28	28	28	23					
foE	MED							270	290	310	315	315	320	325	330	335	340	340	350	345	340	325			
	CNT							28	30	31	31	31	29	28	28	28	28	28	28	28	28	28			
h'E	MED							110	105	105	105	110	110	110	110	110	110	110	110	110	E 110	E 110			
	CNT							28	29	27	27	27	27	29	27	27	27	29	29	29	24	25			
foEs	MED	26	25	24	25	24	24	32	36	40	44	47	42	42	35		36	36	36	32	30	30	29	28	28
	CNT	34	31	31	31	31	31	31	31	31	31	29	30	31	31	30	31	31	30	30	30	30	29	30	30

SWEEP 1.5 MC TO 16.5 MC. AUGUST, 1957

TABLE 78

CASABLANCA, MOROCCO (33.6N, 7.6W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	89	88	85	86	78	71	72	80	82	84	86	90	98	100	100	100	100	93	93	92	89	87	87	86
	CNT	29	28	27	28	29	29	29	29	30	28	31	31	30	27	27	31	30	30	34	32	31	31	28	29
	UQ																								
	LQ																								
h'F2	MED								290	258	270	268	268	270	275	280	280	285	290	300	V 272				
	CNT								1	28	24	24	23	22	4	24	29	25	26	16	4				
	UQ																								
	LQ																								
h'F	MED	E 325	E 320	E 310	E 310	E 290	E 274	E 260	E 245	E 230	E 220	E 210	E 205	245	230	230	230	240	245	260	270	E 275	E 285	E 300	E 310
	CNT	1	1	29	29	28	28	28	29	27	25	18	11	3	5	11	43	23	19	25	31	31	30	30	30
	UQ																								
	LQ																								
(M3000)F2	MED	280	280	280	280	280	280	280	320	290	290	285	285	280	275	275	280	280	285	285	290	280	285	280	280
	CNT	29	29	29	29	29	29	29	28	29	29	30	29	31	27	27	31	33	29	26	29	33	29	29	29
	UQ																								
	LQ																								
foF	MED								380	400	395	390	390	390	390	390	380	370	360	480					
	CNT								4	3	1	1	2	28	28	17	25	28	8	4					
foE	MED						310	330	340	350	360	380	390	390	400	390	380	370	320	280	190				
	CNT						1	1	2	4	26	28	19	29	28	22	29	18	24	25	6				
h'F	MED						140	E 130	E 110	108	105	105	105	105	105	105	105	105	105	112	E 7				
	CNT						1	1	24	24	25	26	25	24	25	25	25	26	26	26	7				
foEs	MED	20	20	18	18	E 28	16	C 28	C 29	36	42	41	43	43	44	C 29	C 29	40	40	39	36	30	24	22	E 31
	CNT	30	29	29	29		28	28		30	31	30	30	27	28			31	30	30	31	31	30	31	

SWEEP 1.5 MC TO 16.5 MC. AUGUST, 1957

TABLE 79

TAMANRASSET, FRENCH W. AFRICA (22.8N, 5.5E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	13	4	15	6	17	18	19	20	21	22	23
foF2	MED		D 11	J 425	J 62	J 57	65	C 85	84	84	100	115	124	139	145	143	146	145	140	144	D 142	D 135	D 110	C 130	C 135
	CNT		5	3	2	1	9	11	14	11	11	15	18	17	15	9	8	7	6	7	3	2	1	4	2
	UQ																								
	LQ																								
h'F2	MED							J 240	J 228		C 375	C 368	370	378	384	370	355	330	C 335						
	CNT							1	2		1	4	4	14	12	14	14	11	3						
	UQ																								
	LQ																								
h'F	MED	275	250	230	222	225	245	225	220	225	245	238	240	200	220	220	220	225	235	270	320	320	320	320	300
	CNT	27	27	27	26	25	27	27	28	23	21	18	16	13	21	21	17	17	23	26	23	23	26	27	26
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED							C 450	425		L 650	600	620	660	620	650	620	660	C 600						
	CNT							1	2		1	4	10	12	11	13	14	11	3						
foE	MED							245	310	370	395	430	415	430	410	400	E 375	330	285	E					
	CNT							2	17	11	6	5	6	5	7	10	4	16	14	11					
h'E	MED							C 110	100	100	100	100	98	95	100	90	100	100	105	E					
	CNT							4	24	26	22	11	8	7	7	15	22	21	20	11					
foEs	MED	E	F	E	F	E	E	33	34	40	42	C	C	C	C	C	C	C	30	30	24	E	E	E	E
	CNT	28	28	28	28	28	28	28	28	28	28	28	27	25	28	28	26	28	29	29	29	29	29	29	29

SWEEP 1.36 MC TO 17.2 MC. AUGUST, 1957

TABLE 80

DAKAR, FRENCH W. AFRICA (14.7N, 17.4W) TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	66	58	60	59	58	50	65	83	96	104	113	120	126	129	C 139	129	125	126	120	114	103	95	76	72
	CNT	14	15	20	23	26	27	30	28	26	21	25	26	24	20	24	23	23	24	24	25	20	19	12	11
	UQ																								
	LQ																								
h'F2	MED								240	C 245	J 290	320	358	360	390	385	375	370	C 330						
	CNT								1	1	2	5	6	9	5	9	9	6	1						
	UQ																								
	LQ																								
h'F	MED	340	320	280	282	240	240	240	220	220	200	170	188	185	185	190	200	210	225	250	305	390	392	385	370
	CNT	9	3	24	26	29	27	31	30	27	26	27	21	25	15	26	23	31	28	29	27	30	31	30	30
	UQ																								
	LQ																								
(M3000)F2	MED	295	260	285	290	290	295	320	330	310	285	270	275	260	260	258	262	270	275	265	250	240	240	250	255
	CNT	10	11	17	22	24	29	28	25	22	14	25	26	24	15	26	20	17	22	18	21	17	15	13	9
	UQ																								
	LQ																								
foF	MED									C 460	580	600	580	590	590	610	630	630	C 590						
	CNT									1	6	8	9	13	14	13	16	7	4						
foE	MED							180	280	330	390	410	410	430	420	410	390	355	360	225	E				
	CNT							16	25	26	21	14	14	23	14	24	19	26	24	24	16				
h'E	MED							160	165	170	165	165	170	180	180	180	180	180	185	115	E				
	CNT							4	19	21	21	13	13	18	19	22	21	26	24	18	16				
foEs	MED	F	F	F	F	E	28	42	44	50	52	50	48	44	47	45	35	40	36	46	33	E	E	E	E
	CNT	40	30	29	29	29	27	27	31	28	26	26	24	25	19	27	24	31	29	27	27	30	31	30	30

SWEEP 1.25 MC TO 20.0 MC. AUGUST, 1957

TABLE 81

DJIBOUTI, FRENCH SOMALILAND (11.6°N, 43.1°E)

TIME 45.0°

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	78	74	72	68	62	57	67	96	108	120	124	126	128	124	128	133	134	130	134	110	100	96	88	90
	CNT	8	9	14	23	25	27	28	30	31	31	31	30	29	30	30	28	28	29	28	29	13	4	5	3
h'F2	MED										U 285	U 360		U 440	U 460	U 420	U 422	400	395	U 400					
	CNT										1	1		3	3	7	4	7	6	1					
h'F	MED	310	290	260	240	230	220	255	240	225	220	220	210	210	210	220	220	230	245	272	330	L 120	380	372	358
	CNT	21	27	26	30	27	29	30	31	31	28	22	21	22	20	23	21	26	27	28	30	12	19	20	20
(M3000)F2	MED	U 258		U 290	U 300	320	328	305	U 310	290	U 260	U 240	230	230	225	225	225	U 235	U 235	U 230	218	U 210	U 210	U 220	U 240
	CNT	2		2	5	7	14	18	27	28	21	25	28	29	29	28	21	22	20	11	12	1	1	3	1
foF1	MED									L 490	L 540	L 550		580	660	L 680	610	L 600	640						
	CNT									1	3	1		7	8	4	7	6	1						
foE	MED							L 335	L 375	L 395	L 375	L 400	L 405	L 428	L 420	L 420	L 395	L 390	L 370	L 345					
	CNT							28	31	29	25	16	15	14	24	21	21	22	16	6					
h'E	MED						L 285	326	L 295	L 295	310	L 315				L 320	L 320	L 320	L 320						
	CNT						28	31	29	29	1	1				3	4	5	4						
foEs	MED	23	23	20	22	18	20	23	33	39	54	92	96	95	94	90	86	80	80	66	46	L 40	E 36	30	42
	CNT	30	31	30	29	28	28	31	31	30	31	30	30	31	29	31	27	30	31	29	29	30	31	30	29

SWEEP 1.25 MC TO 20.0 MC.

AUGUST, 1957

TABLE 82

TANANARIVE, MADAGASCAR (18.9°S, 47.5°E)

TIME 45.0°

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	45	38	33	32	32	48	85	90	90	90	90	86	99	92	90	92	91	92	87	80	74	66	54
	CNT	28	28	28	26	26	25	27	27	13	6	5	8	5	4	8	13	17	16	20	28	20	19	23	28
h'F2	MED							U 340		U 270	280	280	290	285	278	290	330	295							
	CNT							1		1	11	22	17	20	15	9	13	1							
h'F	MED	280	260	245	260	282	280	275	245	242	240	225	220	215	220	215	240	245	250	245	235	240	245	240	245
	CNT	28	28	27	26	26	25	26	30	30	29	24	26	23	20	22	23	23	21	21	17	17	19	17	17
(M3000)F2	MED	320	318	320	298	300	310	315	360	338			U 345		U 310	U 300	U 300	315	320	320	330	330	340	U 348	332
	CNT	28	28	28	26	26	25	26	26	8			1		4	3	6	8	9	17	22	15	15	16	24
foF1	MED							U 190			U 610	U 560	540	U 530	500	U 540	U 580	L 470							
	CNT							1			1	10	13	15	8	6	9	1							
foE	MED							130	250	310	360	U 365	U 400	U 400	390	U 380	360	320	250	E					
	CNT							27	28	21	12	3	1	1	3	5	19	29	29	19					
h'E	MED						L 240		120	115	115	112	115	115	112	115	115	115	125						
	CNT						24		21	27	28	30	29	28	26	22	30	27	17	19					
foEs	MED	23	26	16	17	18	18	17	U	L	L	L	L	L	L	L	L	35	30	29	26	L	E	L	L
	CNT	28	28	28	27	27	26	27	1	3	24	30	28	28	26	29	31	29	31	31	31	29	26	29	29

SWEEP 1.25 MC TO 20.0 MC.

AUGUST, 1957

TABLE 83

POITIERS, FRANCE (46.6°N, 0.3E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	78	75	74	69	64	68	74	73	80	82	83	86	86	86	84	86	86	87	86	86	80	80	82	80
	CNT	34	31	34	31	31	31	30	31	31	28	28	30	29	30	31	29	27	30	29	27	28	27	30	30
h'F2	MED					L 425	368	364	358	365	374	385	400	395	390	390	380	355	340	320	300				
	CNT					1	12	27	22	28	26	24	27	26	26	29	27	26	26	26	9				
h'F	MED	E 305	E 310	E 305	E 300	305	265	250	E 240	220	222	229	220	220	225	232	230	235	245	250	272	270	E 280	E 300	E 305
	CNT	28	30	29	31	31	28	25	23	26	24	21	19	25	18	22	20	22	21	21	26	27	29	30	29
(M3000)F2	MED	250	250	255	255	260	265	270	275	270	275	265	260	265	265	265	265	270	270	275	285	U 275		U 255	U 255
	CNT	9	14	15	23	23	22	22	16	10	12	7	6	10	10	13	14	12	15	8	5	3		2	3
foF1	MED					U 260	370	450	500	550	550	580	640	600	600	590	560	550	U 540	U 480					
	CNT					2	4	24	17	23	23	30	29	26	24	28	29	22	19	8					
foE	MED					U 165	195	270	320	355	380	390	400	400	400	400	380	360	330	285	208	U 160			
	CNT					1	23	29	30	31	29	31	31	30	27	28	26	24	28	29	30	6			
h'E	MED					E		130	185	190	190	190	190	200	190	200	200	190	190	210	L 165	E			
	CNT					2	19	29	32	31	29	30	29	29	29	27	29	26	26	28	29	28			
foEs	MED	23	25	25	27	26	30	36	39	43	44	48	46	45	50	45	44	42	44	39	34	36	36	32	27
	CNT	34	31	32	31	31	31	34	30	31	29	31	32	31	32	31	29	29	31	31	30	30	30	30	29

SWEEP 1.5 MC TO 16.5 MC.

JULY, 1957

TABLE 84

CASABLANCA, MOROCCO (33.6°N, 7.6W)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
foF2	MED	90	86	90	88	84	77	78	86	86	86	86	90	96	100	104	104	104	103	97	92	88	87	88	90	
	CNT	44	47	49	26	26	24	27	27	28	27	26	26	25	25	25	28	30	29	29	29	28	22	23	18	
h'F2	MED						J 245	255	280	295	305	305	345	395	400	380	375	358	350	338	345	280				
	CNT						4	26	8	21	9	22	17	19	13	24	26	26	28	24	18	15				
h'F	MED	F 340	E 345	F 305	E 300	E 301	290	280	280	295	285	275	E 245	260	E 295	E 300	285	260	E 245	250	250	272	E 280	E 300	E 325	E 335
	CNT	28	28	28	28	29	29	26	29	30	29	27	27	26	23	25	25	28	30	29	27	30	28	29	29	29
(M3000)F2	MED	250	255	260	260	260	270	270	280	295	280	270	260	260	260	265	265	265	265	275	280	280	260	250	250	250
	CNT	13	9	13	12	22	26	28	29	28	27	25	24	24	25	25	26	30	29	27	24	19	15	16	13	
foF1	MED							380	430	L 440	460	460	460	460	460	460	420	370	340	280						
	CNT							4	1	4	6	7	7	14	15	17	22	29	14	4						
foE	MED						L 319	280	330	330	370	380	400	400	390	400	380	370	340	280	200					
	CNT						19	23	28	28	22	26	21	25	22	25	24	25	23	25	23					
h'E	MED						E 19	110	120	120	120	120	120	120	120	120	120	120	120	120	130	E				
	CNT						19	23	29	29	29	29	28	26	27	27	28	27	23	23	24					
foEs	MED	34	30	34	30	29	31	30	37	45	47	51	49	47	45	42	44	44	46	39	37	35	30	28	34	
	CNT	29	28	29	29	29	29	29	29	29	29	29	28	26	27	28	28	30	30	30	30	29	29	29	28	

SWEEP 1.5 MC TO 16.5 MC.

JULY, 1957

TABLE 85

TAMANRASSET, FRENCH W. AFRICA 22.8°N, 5.5°E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
foF2	MED	(60)		(63)	(70)		(83)	(70)	(86)	(78)	(65)	(133)	(140)	(148)	(148)	(138)	(138)	(135)	(140)	(130)							
	CNT	4		1	2		3	3	4	2	2	4	5	5	5	4	5	4	3	4							
	UQ																										
	LQ																										
h'F2	MED								(282)				(445)	(435)	(415)	(465)	(408)	(375)	(320)	(290)							
	CNT								2				3	5	4	10	11	7	4	1							
	UQ																										
	LQ																										
h'F	MED	315	302	292	275	250	265	235	230	225	222	205	(215)	(185)	205	215	225	235	245	275	320	355	365	340	328		
	CNT	15	12	12	14	12	11	11	13	9	14	7	4	1	5	11	11	4	12	14	11	12	11	13	14		
	UQ																										
	LQ																										
(M3000)F2	MED																										
	CNT																										
	UQ																										
	LQ																										
foF1	MED								(450)				(630)	(626)	(602)	(622)	(590)	(600)	(550)	(380)							
	CNT								2				3	8	7	7	8	10	4	1							
foE	MED							(160)	(260)	(320)	(355)	(340)	(400)	(410)	(420)	(395)	(380)	(340)	(285)	(265)							
	CNT							5	8	5	4	6	3	1	4	5	7	10	6	10	6						
h'E	MED					E		(120)	(110)	(105)	(115)	(105)	(105)	(100)	(105)	(102)	(108)	(108)	(115)	(130)							
	CNT					1		4	4	11	15	13	4	7	4	14	16	14	11	5							
foEs	MED	E	E	E	E	E																E	E	E	E		
	CNT	15	14	15	15	4	29	31	42	43	40	43	40	48	13	15	15	15	14	34	34	44	48	14	14	14	16

SWEEP 1.36 MC TO 17.2 MC IN 1 MINUTE.

JULY, 1957

TABLE 86

DAKAR, FRENCH W. AFRICA (14.7°N, 17.4°W)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	48	48	48	52	51	53	72	85	92	100	107	115	120	124	124	124	120	120	114	108	94	88	76	62
	CNT	5	12	15	18	21	23	22	18	17	16	14	18	20	14	17	16	20	21	22	20	25	17	7	5
	UQ																								
	LQ																								
h'F2	MED											(300)	(270)	(265)	(325)	(380)	(410)	(425)	(430)	(430)	(420)	(375)	(340)	(320)	(340)
	CNT											1	1	4	4	6	13	11	11	13	4	11	7	6	2
	UQ																								
	LQ																								
h'F	MED	470	450	415	415	290	270	250	235	220	210	210	190	200	200	210	215	220	235	260	320	435	450	425	400
	CNT	20	20	20	17	23	24	23	22	24	17	18	17	17	15	15	15	16	23	24	20	18	15	20	26
	UQ																								
	LQ																								
(M3000)F2	MED	210	200	200	205	210	215	220	225	240	250	255	255	250	250	260	262	255	255	264	240	230	230	235	248
	CNT	5	11	12	14	16	19	21	15	17	18	14	18	20	16	9	12	15	17	10	14	18	15	5	4
	UQ																								
	LQ																								
foF1	MED											(600)	(640)	(630)	(622)	(620)	(610)	(590)	(560)	(510)	(370)	(310)	(300)	(310)	(270)
	CNT											4	5	10	10	8	11	9	1	3	4	7	1	3	4
foE	MED									(190)	(290)	(340)	(380)	(420)	(430)	(435)	(445)	(410)	(395)	(320)	(310)	(225)			
	CNT									5	7	3	5	6	4	8	7	10	5	7	10	10			
h'E	MED									(130)	(110)	(105)	(105)	(105)	(105)	(105)	(105)	(105)	(105)	(120)					
	CNT									4	7	3	6	9	8	10	10	7	4	6					
foEs	MED	(35)	(37)	(27)	E	E	(35)	(48)	(52)	(57)	(56)	(54)	(52)	(53)	(50)	(50)	(48)	(44)	(46)	(50)	(47)	E	E	E	(32)
	CNT	28	27	26	26	23	29	21	18	23	26	28	27	27	26	20	20	27	22	20	21	25	25	25	26

SWEEP 1.25 MC TO 20.0 MC.

JULY, 1957

TABLE 87

DJIBOUTI, FRENCH SOMALILAND (11.6°N, 43.1°E)

TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	(74)	(73)		(72)	(68)	(72)	(70)	(76)	(80)	(82)	(85)	(82)	(86)	(85)	(82)	(84)	(82)	(82)	(78)	(80)	(82)	(82)	(80)	(80)
	CNT	1	1		1	1	5	24	26	26	26	26	26	28	27	28	27	27	26	7	22	5	4	4	1
	UQ																								
	LQ																								
h'F2	MED									(410)	(425)	(425)	(440)	(420)	(400)	(400)	(400)	(410)							
	CNT									1	2	1	1	4	2	1	1	1							
h'F	MED	(420)	(380)	(340)	(320)	(280)	(235)	(260)	(240)	(248)	(228)	(220)	(232)	(220)	(220)	(210)	(220)	(230)	(240)	(270)	(290)	(400)	(340)	(340)	(340)
	CNT	20	18	17	11	24	22	24	18	2	18	22	17	21	22	20	21	0	0	7	7	11	11	18	14
	UQ																								
	LQ																								
(M3000)F2	MED	(210)			(240)	(240)	(268)	(230)	(220)	(210)	(210)	(210)	(210)	(210)	(210)	(210)	(210)	(210)	(210)	(210)	(210)	(240)	(230)	(240)	(240)
	CNT	1			1	1	4	18	2	24	1	24	24	25	26	2	24	1	1	1	1	4	3	3	1
	UQ																								
	LQ																								
foF	MED									(70)	(60)	(60)		(60)	(60)										
	CNT									1	1	1		1	1										
foE	MED							(140)	(110)	(90)	(90)	(90)	(90)	(90)	(90)	(90)	(90)	(100)	(90)	(90)	(110)	(90)			
	CNT							1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
h'E	MED							(120)	(110)	(110)	(110)	(110)	(110)	(110)	(110)	(110)	(110)	(110)	(110)	(110)					
	CNT							1	1	1	1	1	1	1	1	1	1	1	1	1					
foEs	MED	(24)	(30)	(39)	(34)	(24)	(24)	(27)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	E	E	E	(31)
	CNT	27	29	29	29	27	27	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29

SWEEP 1.25 MC TO 20.0 MC.

JULY, 1957

TABLE 88

TANANARIVE, MADAGASCAR (18.8°S, 47.5°E)

TIME LOCAL

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	36	34	34	34	28	27	31	41	(75)	(92)	(90)	(90)	(90)	98	91	(90)	(90)	(90)	(90)	77	58	56	49	41
	CNT	26	28	28	28	25	25	25	22	22	9	13	9	21	3	13	12	17	22	23	22	24	25	23	27
	UQ																								
	LQ																								
h'F2	MED									(325)	(270)	(260)	(280)	(280)	(300)	(305)	(300)	(290)							
	CNT									1	8	10	14	17	22	14	21	7							
h'F	MED	(230)	(210)	(210)	(210)	(285)	(280)	(280)	(290)	(240)	(240)	(230)	(220)	(220)	(230)	(240)	(240)	(245)	(250)	(230)	(230)	(245)	(245)	(240)	(230)
	CNT	26	27	27	26	25	30	25	27	7	26	25	21	24	21	19	26	28	28	26	27	27	27	27	26
	UQ																								
	LQ																								
(M3000)F2	MED	(210)	(210)	(210)	(210)	(240)	(240)	(240)	(240)	(250)				(230)	(230)	(230)	(230)	(230)	(230)	(230)	(230)	(240)	(240)	(230)	(230)
	CNT	1	1	1	1	25	25	25	24	1				1	1	1	1	1	1	1	1	27	27	27	26
	UQ																								
	LQ																								
foF	MED									(70)	(70)	(70)	(70)	(70)	(70)	(70)	(70)	(70)	(70)						
	CNT									1	3	2	4	11	17	13	7	1	1						
foE	MED								(130)	(100)	(100)	(90)	(90)	(90)	(90)	(90)	(90)	(90)	(90)	(90)					
	CNT								1	10	15	12	7	11	17	13	6	1	1	1					
h'E	MED								(110)	(110)	(110)	(110)	(110)	(110)	(110)	(110)	(110)	(110)	(110)	(110)					
	CNT								1	4	4	4	4	4	4	4	4	1	1	1					
foEs	MED	31	31	31	32	(24)	(24)	(28)	(27)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(35)	(42)	(38)	(35)	(34)	(34)	31	30	31
	CNT	26	26	26	26	24	24	24	24	26	26	26	25	26	26	24	24	24	26	28	24	26	28	27	27

SWEEP 1.25 MC TO 20.0 MC.

JULY, 1957

TABLE 89

PORT LOCKROY (64.8S, 63.5W)

TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	25	24	24	24	25	23	24	24	U 30	33	82	84	89	94	84	82	63	56	44	46	43	43	43	44
	CNT	22	22	21	22	22	22	23	22	14	12	23	20	22	23	17	18	14	24	16	14	24	20	21	18
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED	250	245	250	245	245	250	275	290	L 290	335	345	335	340	345	340	U 335	L 325	335	U 305	285	275	260	250	250
	CNT	15	16	16	14	14	13	18	18	9	10	16	15	14	18	10	9	7	13	8	14	16	18	16	12
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								120	120	170	190	210	230	220	200	180	160							
	CNT								8	8	12	14	10	8	10	14	18	7							
h'E	MED																								
	CNT																								
foEs	MED	23	20	22	13	14	15	16	14	16	22	27	27	29	32	30	23	17	22	17	10	23	17	22	14
	CNT	18	15	9	7	11	18	21	19	23	24	23	21	18	18	15	15	16	13	14	11	16	17	22	22

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES. AUTOMATIC.

JUNE, 1957

TABLE 90

SAO PAULO, BRAZIL (23.6S, 46.5W)

TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	90	80	77	68	52	40	33	70	104	130	138	132	134	137	139	142	D 140	D 140	136	113	110	108	105	100
	CNT	23	24	22	22	21	20	17	18	18	19	20	19	16	15	16	17	16	18	18	20	20	20	19	20
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	230	240	240	235	240	260	E 280	265	230	245	235	230	220	220	230	240	260	260	230	230	245	250	240	230
	CNT	20	20	22	21	20	19	16	19	18	18	17	17	17	11	15	14	16	19	18	20	20	20	20	20
	UQ																								
	LQ																								
(M3000)F2	MED	300	300	310	310	300	290	290	310	315	310	310	295	275	270	265	270	290	300	320	310	290	300	305	300
	CNT	20	21	22	22	21	20	27	16	17	15	17	16	15	14	14	15	11	17	16	16	19	19	16	19
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							E 210		270	340	360	380	380	V 380	370	350	310	V 240						
	CNT							11		8	15	13	10	10	8	10	10	V	5						
h'E	MED							E 140		120	110	120	110	100	100	100	105	105	100						
	CNT							6		14	15	15	11	8	6	9	10	8	4						
foEs	MED																								
	CNT																								

SWEEP 1.75 MC TO 20.0 MC IN 2 MINUTES 30 SECONDS.

JUNE, 1957

TABLE 91

FREIBURG, GERMANY (48.2N, 7.8E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	59	58	54	50	45	44	60	82	102	116	126	128	128	125	122	118	120	115	104	90	80	72	68	63
	CNT	31	30	30	29	29	29	30	28	29	30	26	27	21	27	29	29	29	29	28	31	30	30	31	31
	UQ	67	65	62	58	53	50	70	93	110	126	133	128	134	128	127	122	122	117	108	93	84	78	71	70
	LQ	55	48	47	46	40	36	56	70	85	106	114	117	115	116	114	113	112	108	96	82	74	63	62	53
h'F2	MED								510	500	425	330	250	265		290									
	CNT								2	3	3	4	6	2		1									
	UQ																								
	LQ																								
h'F	MED	300	300	300	300	270	280	250	230	225	225	220	220	220	220	225	230	238	235	230	230	238	259	275	292
	CNT	29	29	28	29	27	28	28	28	25	27	26	22	22	25	30	29	30	31	31	31	30	27	27	28
	UQ																								
	LQ																								
(M3000)F2	MED	242	240	240	240	245	255	295	300	295	285	280	275	270	265	270	270	280	290	285	275	260	255	245	240
	CNT	30	30	29	29	28	27	28	27	27	28	25	27	20	26	29	28	29	29	28	29	30	31	31	31
	UQ	250	250	248	255	255	270	302	310	300	295	285	290	280	280	280	282	288	295	290	282	270	265	255	255
	LQ	225	230	225	230	230	245	282	285	285	278	268	270	268	260	265	265	272	280	280	262	255	245	235	230
foF1	MED								440	460	485	500	490	490											
	CNT								2	2	2	2	3	1											
foE	MED							162	260	300	330	350	360	365	355	340	310	276	215						
	CNT							22	23	23	25	22	23	22	28	29	29	30	22						
h'E	MED							121	111	107	105	105	105	105	105	105	105	111	119						
	CNT							11	23	23	23	23	21	21	20	21	23	25	25						
foEs	MED	E	E	E	E	E	E	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
	CNT	30	30	30	29	29	29	29	28	28	30	28	27	27	31	31	30	30	31	31	30	32	32	31	32

SWEEP 1.25 MC TO 20.0 MC IN 3 MINUTES.

MARCH, 1957

TABLE 92

FREIBURG, GERMANY (48.1N, 7.8E)

TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	48	46	46	42	39	36	42	74	103	120	126	135	128	127	125	122	115	106	84	74	63	58	53	50
	CNT	27	26	26	26	28	24	27	25	25	24	22	22	23	18	21	23	23	21	26	26	28	26	28	26
	UQ	51	49	50	47	44	40	47	84	114	128	132	137	135	136	130	126	124	122	94	80	68	63	58	57
	LQ	43	40	41	40	35	32	37	68	90	104	112	120	122	115	117	119	100	100	85	67	57	49	48	47
h'F2	MED									210		235	258	254	240										
	CNT									1		1	1	2	1										
	UQ																								
	LQ																								
h'F	MED	300	305	308	305	280	275	250	250	240	240	240	240	240	225	225	225	225	225	240	240	245	260	270	290
	CNT	26	26	26	26	26	25	26	27	26	25	24	24	26	24	27	24	25	25	26	26	26	27	27	25
	UQ																								
	LQ																								
(M3000)F2	MED	245	250	245	255	265	262	272	315	315	310	300	295	295	295	300	298	300	305	300	290	278	285	290	290
	CNT	24	23	25	24	25	24	24	25	22	21	17	20	21	18	20	20	19	21	20	20	20	20	20	20
	UQ	265	260	262	260	272	270	282	322	325	320	315	310	310	310	310	310	310	310	310	300	295	305	295	295
	LQ	235	240	238	240	250	258	260	302	310	302	295	290	290	290	290	290	290	290	290	280	265	267	260	260
foF1	MED																								
	CNT																								
foE	MED							E 160	180	255	295	320	330	325	325	305	272	245	200						
	CNT							1	19	20	25	25	25	24	24	27	24	17	8						
h'F	MED								115	111	110	109	109	111	110	111	111	110	E						
	CNT								8	19	18	19	19	18	18	20	18	14							
foEs	MED	E	E	E	E	E	E	E	E	G	G	G	G	G	G	G	G	G	G	E	E	E	E	E	E
	CNT	45	47	48	46	47	47	47	47	46	46	47	46	45	44	47	45	44	47	46	46	46	46	46	46

SWEEP 1.25 MC TO 20.0 MC IN 3 MINUTES.

FEBRUARY, 1957

TABLE 93

FORT BELVOIR, VIRGINIA (38.7° N, 77.2° W)

TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	44	43	43	43	43	47	61	96	114	126	126	121	121	119	114	106	86	75	62	48	45	44	43
	CNT	11	10	10	10	11	11	25	25	27	26	25	24	25	22	26	23	19	26	29	28	31	30	31	29
	UQ	71	71	67	66	67	70	86	89	102	126	130	132	124	127	125	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78	8	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57	88	106	118	122	115	114	114	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED										240	240	265	238											
	CNT										2	1	2	2											
	UQ																								
	LQ																								
h'F	MED	280	280	280	280	270	270	255	230	220	220	220	225	220	225	230	225	220	215	225	220	285	275	290	300
	CNT	28	28	28	28	28	28	25	28	28	29	27	26	25	25	26	27	27	26	27	27	26	26	21	27
	UQ																								
	LQ																								
M3000)F2	MED	260	260	255	268	268	270	280	305	325	315	305	305	295	290	295	300	300	290	300	295	275	265	280	258
	CNT	22	22	18	24	24	24	[illegible]	[illegible]	24	22	21	21	22	21	22	22	19	22	27	28	30	30	28	26
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	318	315	310	310	300	300	315	320	300	315	305	285	265	265	265
	LQ	240	240	240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	302	285	280	285	290	290	285	290	280	260	260	260	248	250
foF1	MED																								
	CNT																								
h'F	MED									[illegible]	[illegible]	[illegible]	305	322	312	290	245	174							
	CNT									[illegible]	[illegible]	[illegible]	27	26	22	23	21	14							
h'E	MED									[illegible]	[illegible]	[illegible]	111	111	112	113	119	135							
	CNT									8	[illegible]	[illegible]	24	19	18	17	14	2							
foEs	MED	F	F	E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32	36	34	31	27	21	22	E	E	E	E	E	E
	CNT	32	31	31	30	30	[illegible]	30	25	[illegible]	[illegible]	[illegible]	26	28	25	25	24	25	25	27	29	31	30	31	30

SWEEP 1.25 MC TO 20.0 MC IN 3 MINUTES.

JANUARY, 1957

TABLE 94

AMERICUS, GEORGIA

TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	[illegible]	2	3	4	5	16	17	18	19	20	21	22	23
foF2	MED						68	71	74	75	75	76	[illegible]	[illegible]	[illegible]	[illegible]	77	80	80	81	[illegible]	80	8	74	74
	CNT						25	23	23	27	25	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	30	26	27	24	24	24	22
	UQ																								
	LQ																								
h'F2	MED						240	240	440	440	460	450	460	480	440	480	450	[illegible]	[illegible]	300	300	300	300	320	320
	CNT						22	18	16	17	18	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	20	20	20	24
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
(M3000)F2	MED						260	260	260	260	250	250	250	240	240	240	250	250	250	250	[illegible]	[illegible]	[illegible]	[illegible]	240
	CNT						23	19	21	25	22	25	26	28	27	27	22	29	28	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED						350	420	540	530	570	580	590	580	600	590	570	560	530	470	[illegible]				
	CNT						1	7	13	[illegible]	20	27	30	29	27	27	22	29	24	10	[illegible]				
foE	MED						280	310	340	380	380	400	400	400	410	400	380	360	330	290	[illegible]	[illegible]			
	CNT						20	19	26	25	25	25	27	23	21	25	23	29	30	24	[illegible]	[illegible]			
h'E	MED						110	110	110	110	110	110	110	110	110	100	110	110	110	110	[illegible]	130			
	CNT						21	19	27	28	27	27	27	27	26	26	23	29	30	25	[illegible]	0			
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 13.0 MC IN 2 MINUTES.

JANUARY, 1957

TABLE 95

LWIRO, CONGO (2.3S, 28.8E)

TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
foF2	MED	D 100	D 97	78	66	60	49	58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	U [illegible]	[illegible]	[illegible]	D 114	D 127		
	CNT	44	40	40	36	40	42	20	27	46	27	27	25	27	27	29	29	30	29	28	30	28	27	27	24		
	UQ																										
	LQ																										
h'F2	MED								452	280	270	280	300	335	320	300	340	320	310								
	CNT								22	25	25	25	23	27	24	24	25	19	9								
	UQ																										
	LQ																										
h'F	MED	220	240	230	225	230	235	268	240	230	220	210	205	200	200	210	220	230	240	235	245	230	220	210	200		
	CNT	28	26	25	24	23	23	24	27	23	20	19	16	17	16	20	13	10	11	28	30	27	28	27	27		
	UQ																										
	LQ																										
(M3000)F2	MED	303	324	306	313	313	315	335	326	332	314	306	287	278	268	258	260	260	273	241	[illegible]	[illegible]	[illegible]	330	[illegible]	[illegible]	314
	CNT	9	15	15	13	19	21	18	24	26	26	26	23	23	24	24	26	27	25	8	4	[illegible]	[illegible]	9	4	1	7
	UQ																										
	LQ																										
foF1	MED											500	505	510	500												
	CNT											7	12	[illegible]	6	4											
foE	MED							E	430	388	354	373	383	396	386	374	353	308	255								
	CNT							12	24	24	26	24	23	21	20	23	21	29	32								
h'E	MED								449	[illegible]	[illegible]	[illegible]	[illegible]	130	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT								43	22	23	22	22	19	18	21	18	17	22								
foEs	MED	22	22	28	24	[illegible]	[illegible]	17	32	35	37	36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT	26	26	25	24	25	27	25	27	26	27	27	25	27	27	27	29	30	27	28	30	29	28	27	27		

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

JUNE, 1956

TABLE 96

LWIRO, CONGO (2.3S, 28.8E)

TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	[illegible]	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D 132	D 112	U 103	U 82	64	55	72	105	127	130	U 132	U 131	139	134	D 134	U 140	D 140	D 140	U 130	U 135	U 133	U 132	U 132	U 133
	CNT	22	22	21	22	23	23	22	23	23	24	25	28	28	28	30	30	30	29	30	29	26	24	21	23
	UQ																								
	LQ																								
h'F2	MED								455	280	270	285	300	335	360	370	360	350	340						
	CNT								20	21	22	19	18	19	17	19	19	14							
	UQ																								
	LQ																								
h'F	MED	225	215	210	220	220	230	260	240	235	225	215	205	200	200	210	220	230	240	260	270	260	220	215	225
	CNT	4	23	23	23	22	19	22	19	19	18	19	23	20	17	18	27	22	29	27	28	25	25	22	21
	UQ																								
	LQ																								
(M3000)F2	MED	314	317	330	307	314	317	308	314	312	300	284	274	264	264	263	260	268	272	U 286					
	CNT	12	15	15	17	21	22	23	22	21	24	20	21	17	17	17	23	19	15	5	3	1	2	4	3
	UQ																								
	LQ																								
foF1	MED												510												
	CNT												0	2	4	[illegible]	1								
foE	MED							E	452	319	356	375	384	394	390	375	354	316	254						
	CNT							8	24	23	24	23	23	18	19	22	23	17	17						
h'E	MED								447	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								16	21	22	21	15	15	10	13	10	11	7						
foEs	MED	14	E 17	17	18	16	19	21	32	E [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	27	32	29	33	28	26	20	20	16	16
	CNT	23	24	23	24	25	23	23	23	23	24	24	21	20	21	26	28	29	29	30	29	26	26	24	24

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

MAY, 1956

TABLE 97

LWIRO, CONGO (2.35, 28.8E)

TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D	D	D	D					D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
	CNT	138	126	107	106	84	62	66	105	120	129	131	140	140	140	140	140	140	140	133	130	136	134	134	138
	UQ	3	21	24	18	23	22	24	24	25	26	24	23	23	23	23	26	24	25	25	23	22	22	23	24
	LQ																								
h'F2	MED								240	258	295	325		355	382	392	380	341							
	CNT								7	16	22	7	4	2	7	11	14	22	4						
	UQ																								
	LQ																								
h F	MED	224	215	228	225	210	210	224	235	245	255	265	280	280	280	270	260	235	252	274	305	274	225	225	215
	CNT	24	24	24	18	24	21	21	24	22	22	25	27	27	28	23	26	24	21	22	23	22	23	24	24
	UQ																								
	LQ																								
(M3000)F2	MED																								
	CNT	4	12	15	14	17	20	17	23	19	20	21	20	14	13	9	7	9	8		1				4
	UQ																								
	LQ																								
foF1	MED											900													
	CNT											0	4	3	1	4									
foE	MED							E																	
	CNT							7	19	320	357	383	390	407	401	385	353	320	274						
	UQ									44	44	42	19	16	14	16	20	18	16						
	LQ																								
h'E	MED								119	111	111	111	109	109			111	111	113						
	CNT								16	27	15	9	6	5	3	4	8	11	10						
	UQ																								
	LQ																								
foEs	MED	F	E	E	F																				
	CNT	24	24	24	25	15	18	18	28	28	25	43	35	33	44	40	39	31	32	25	23	29	27	24	24
	UQ					25	24	24	24	24	25	29	26	23	24	22	21	29	25	25	25	23	23	24	24
	LQ																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

APRIL, 1956

TABLE 98

LWIRO, CONGO (2.35, 28.8E)

TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	3	4	5	16	17	18	19	20	21	22	23
foF2	MED	D													D	D	D	D	D	D	D	D		D	D
	CNT	136	126	104	100	85	80	92	94	109	118	127	130	145	140	140	140	140	140	130	134	140	135	140	140
	UQ	27	22	17	22	22	21	22	26	27	30	31	29	29	31	28	30	29	30	30	28	23	24	23	17
	LQ																								
h'F2	MED								245	250	250	255	265	290	270	270	305	305	341						
	CNT								21	21	17	21	7	22	4	22	24	23	17						
	UQ																								
	LQ																								
h F	MED	210	210	220	225	225	230	230	235	240	245	250	260	260	270	280	285	280	285	290	310	290	285	280	280
	CNT	24	24	17	24	21	21	28	28	21	20	26	26	20	25	22	26	20	30	30	26	24	27	29	28
	UQ																								
	LQ																								
(M3000)F2	MED	260	260	264	261	330	344	314	330	340	343	374	361	370	374	403	402	267	274						
	CNT	5	10	11	4	17	22	25	24	21	28	27	25	22	22	20	18	19	14	4	1	1	1	4	4
	UQ																								
	LQ																								
foF1	MED														310	900									
	CNT												3	1	1	5	4								
foE	MED							F																	
	CNT								249	316	354	384	420	407	401	387	381	332	78	149					
	UQ								17	21	28	25	24	22	24	24	24	24	29	15					
	LQ																								
h'E	MED								119	121	111	111	109	109	109	110	111	111	111						
	CNT								13	19	20	22	9	6	6	5	12	17	4						
	UQ																								
	LQ																								
foEs	MED	E	E	E	E																				
	CNT	29	29	29	29	14	14	18	28	28	28	22	20	14	26	25	21	28	30	30	28	16	29	29	28
	UQ					29	29	28	28	28	28	22	20	14	13	13	21	28	30	30	28	29	29	29	28
	LQ																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

MARCH, 1956

TABLE 99

LWIRO, CONGO (2.35, 28.8E)

TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
foF2	MED	99	D 83	90	71	57	44	46	76	94	104	108	120	126	130	D 129	D 132	130	128	128	D 130	D 122	D 129	D 130	D 134	
	CNT	25	22	22	24	24	26	24	25	26	26	23	25	26	24	27	27	29	27	26	28	26	28	27	27	
	UQ																									
	LQ																									
h'F2	MED								250	280	305	405	440	425	410	420	395	385	380	355						
	CNT								15	17	14	10	17	18	16	25	22	26	18	7						
	UQ																									
	LQ																									
h F	MED	200	230	245	235	215	228	255	245	235	225	220	210	210	215	220	220	230	240	265	300	315	270	230	210	
	CNT	26	27	25	29	27	24	23	24	22	24	21	22	25	20	20	20	24	21	24	27	26	28	26	27	
	UQ																									
	LQ																									
(M3000)F2	MED	294	280	302	307	320	320	296	314	293	268	252	250	248	251	254	252	261	258	262	257	L 262	L 288	U 318	336	
	CNT	19	21	18	23	21	26	24	24	25	26	23	25	26	21	22	24	24	27	22	21	12	14	14	14	
	UQ																									
	LQ																									
foF1	MED											U 900	900	U 910	900	890										
	CNT										2	10	10	13	12	8	4	4	2							
foE	MED							E																		
	CNT							25	19	315	351	373	390	395	400	385	367	333	280	187						
	UQ									42	42	40	42	41	44	43	42	42	47	40						
	LQ																									
h'E	MED							E																		
	CNT								17	111	110	111	110	111	111	111	111	116	112	125						
	UQ								12	15	12	11	10	5	7	6	13	15	14	11						
	LQ																									
foEs	MED	F	E	E	E	E		13	17	25	26	30		22				30	32	28	18	L	E	E	E	E
	CNT	26	27	26	28	27	27	25	25	24	21	18	20	19	18	18	23	27	26	22	28	27	28	26	27	
	UQ																									
	LQ																									

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

FEBRUARY, 1956

TABLE 100

LWIRO, CONGO (2.35, 28.8E)

TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10		2	3	4	5	16	17	18	19	20	21	22	23
foF2	MED	70	69	62	54	48	40	45	69	80	88	94	U 104	112	121	118	113	110	111	109	U 104	U 104	113	112	86
	CNT	28	30	28	29	28	28	27	28	27	28	28	29	30	31	31	29	28	30	30	30	29	25	28	28
	UQ																								
	LQ																								
h'F2	MED								260	320	320	350	420	382	355	356	375	420	415	U 395					
	CNT								11	28	17	24	17	26	17	26	25	20	15	6					
	UQ																								
	LQ																								
h'F	MED	230	255	240	230	235	240	262	260	220	220	210	208	200	200	205	210	215	230	265	310	325	280	235	210
	CNT	30	31	28	30	29	26	26	29	28	17	26	22	23	21	23	21	22	28	28	28	30	29	30	31
	UQ																								
	LQ																								
(M3000)F2	MED													282	274	266	263	253	250	264	255	261	280	320	311
	CNT	28	30	28	29	28	28	27	28	27	27	26	25	28	31	30	29	26	26	23	25	25	25	27	28
	UQ																								
	LQ																								
foF1	MED										900	910	920	928	915	903	890								
	CNT										7	11	17	22	24	27	8	6							
foE	MED							E																	
	CNT								246	301	344	385	381	387	384	375	352	308	259	174					
	UQ								23	23	27	25	27	25	27	26	25	27	18	17					
	LQ																								
h'E	MED								119	112	111	111	109	109	107	111	111	111	113	121					
	CNT								16	20	24	20	16	16	13	16	13	22	15	9					
	UQ																								
	LQ																								
foEs	MED	E	E	E	E	E		17	18	28	41	t						28	30	20	19	29	16	t	E
	CNT	30	31	28	29	29	26	28	29	28	29	26	24	21	20	25	28	28	30	30	29	30	30	30	31
	UQ																								
	LQ																								

SWEEP 1.25 MC TO 20.0 MC IN 10 MINUTES.

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JANUARY, 1956

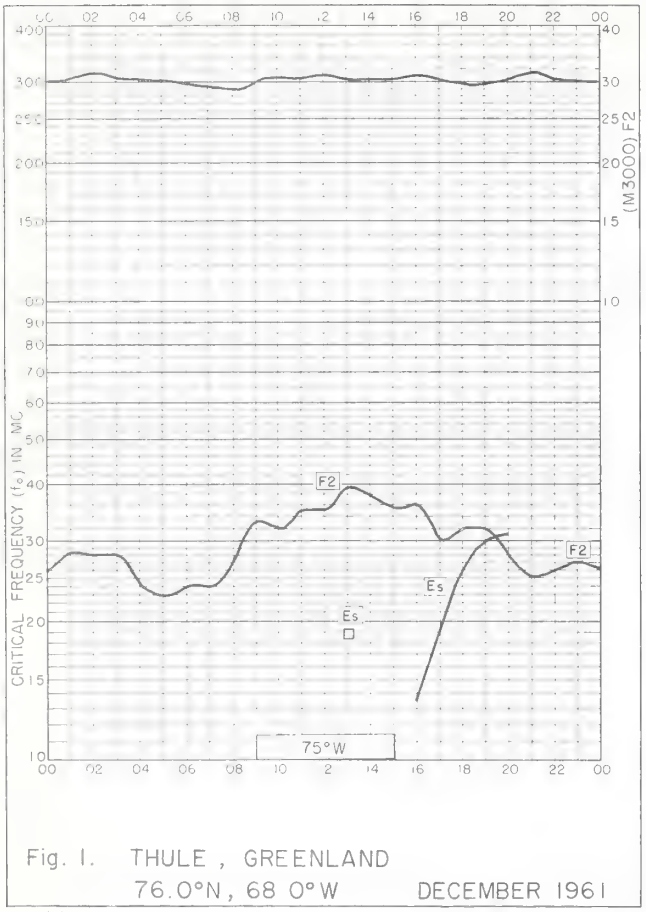


Fig. 1. THULE, GREENLAND
76.0°N, 68.0°W DECEMBER 1961

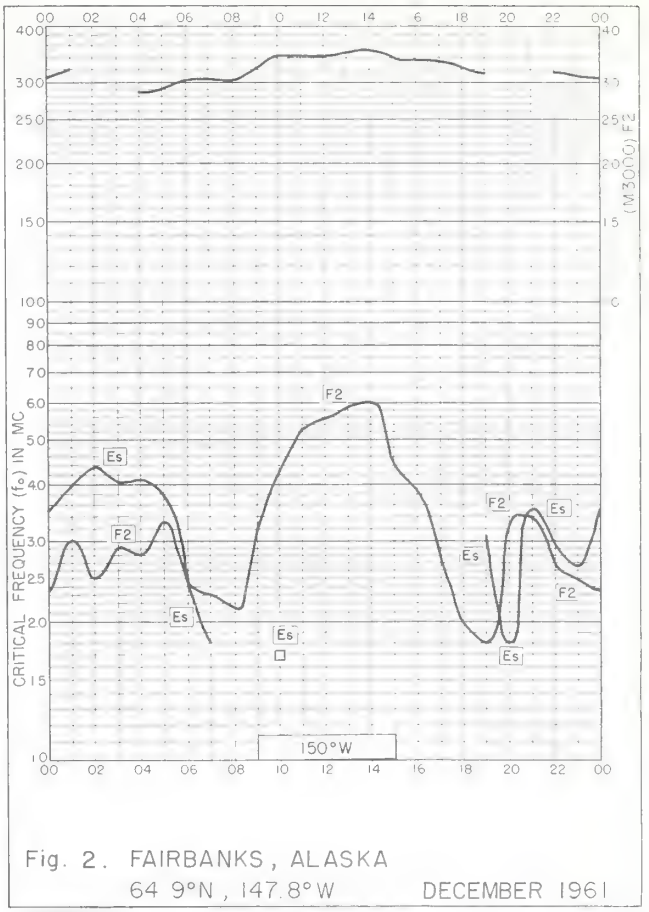


Fig. 2. FAIRBANKS, ALASKA
64.9°N, 147.8°W DECEMBER 1961

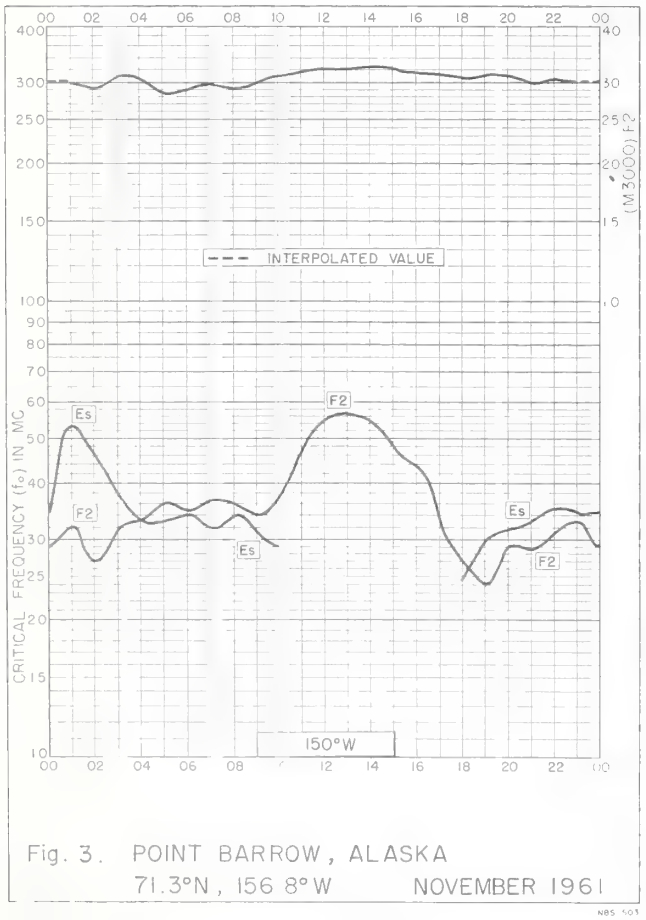


Fig. 3. POINT BARROW, ALASKA
71.3°N, 156.8°W NOVEMBER 1961

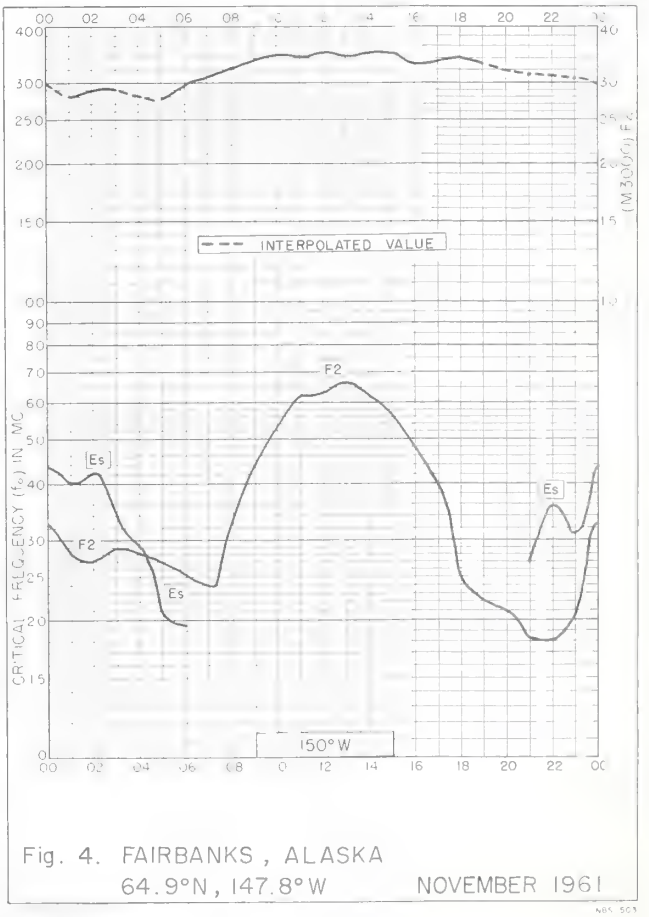


Fig. 4. FAIRBANKS, ALASKA
64.9°N, 147.8°W NOVEMBER 1961

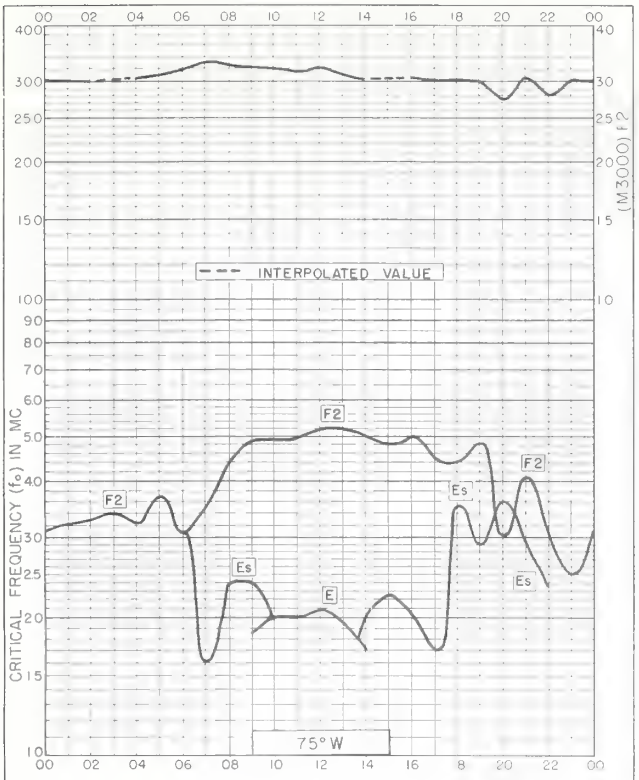


Fig. 5. THULE, GREENLAND
76.0°N, 68.0°W OCTOBER 1961

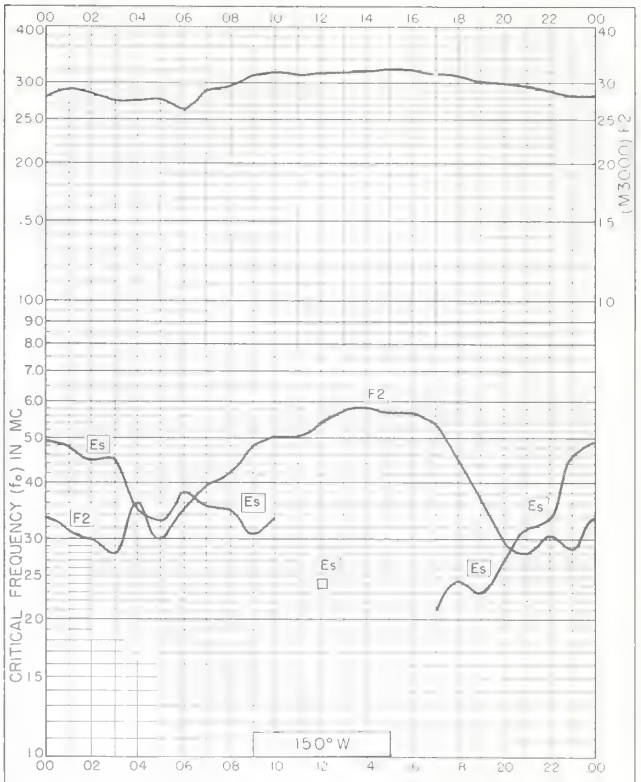


Fig. 6. POINT BARROW, ALASKA
71.3°N, 156.8°W OCTOBER 1961

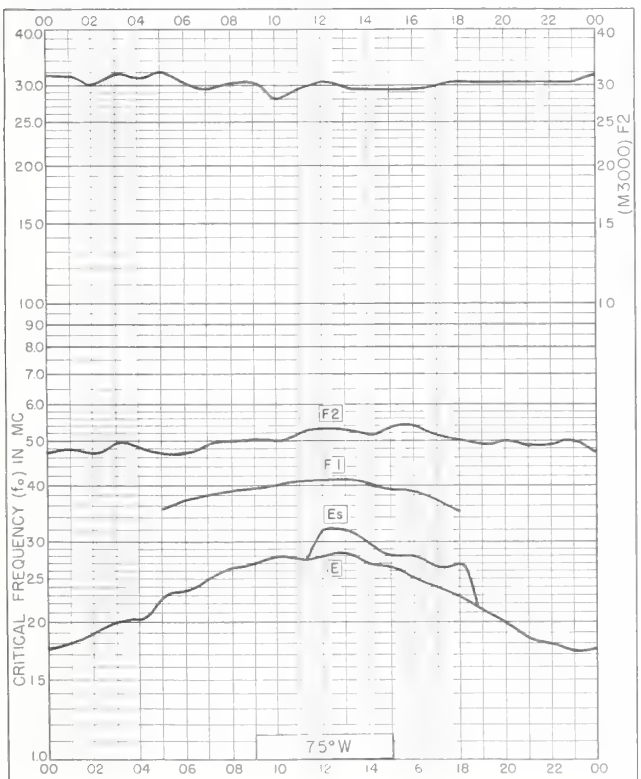


Fig. 7. THULE, GREENLAND
76.0°N, 68.0°W AUGUST 1961

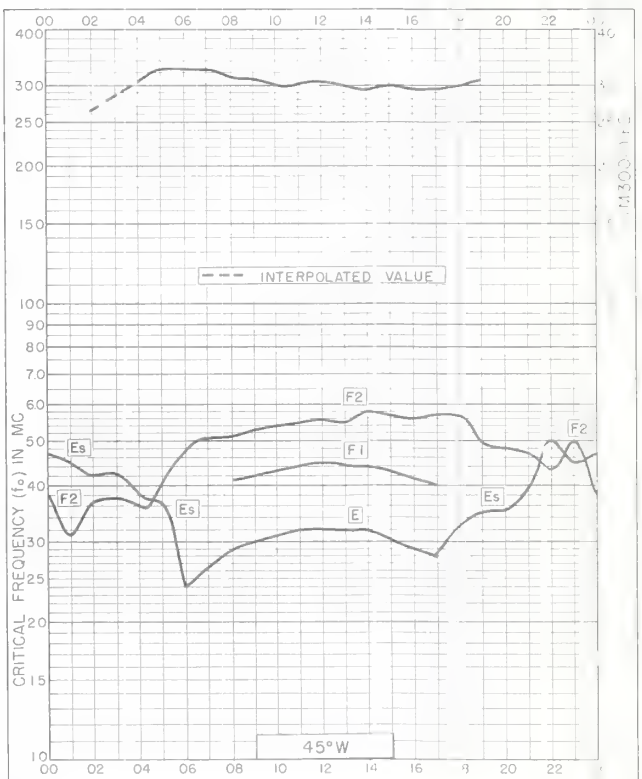


Fig. 8. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W AUGUST 1961

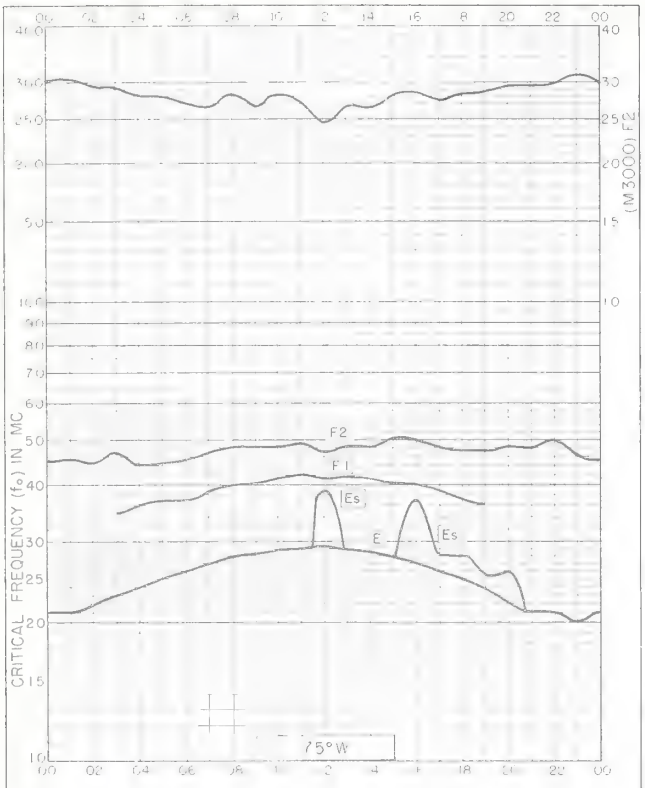


Fig. 9. THULE, GREENLAND
76.0°N, 68.0°W JULY 1961

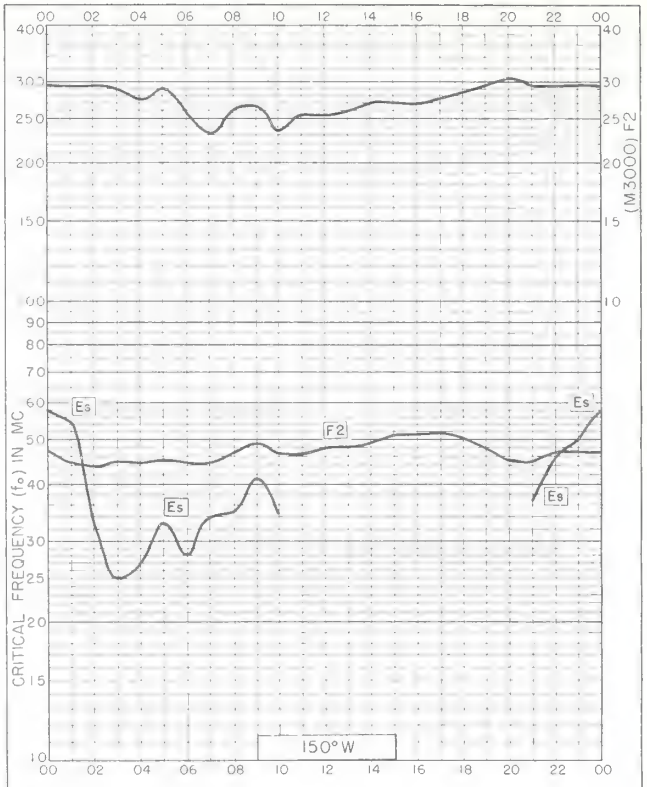


Fig. 10. POINT BARROW, ALASKA
71.3°N, 156.8°W JULY 1961

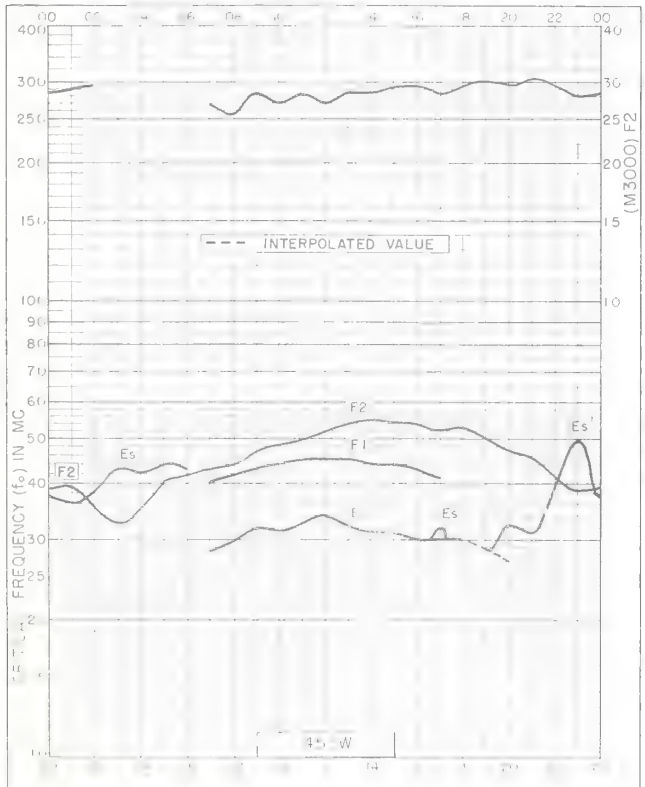


Fig. 11 NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W JULY 1961

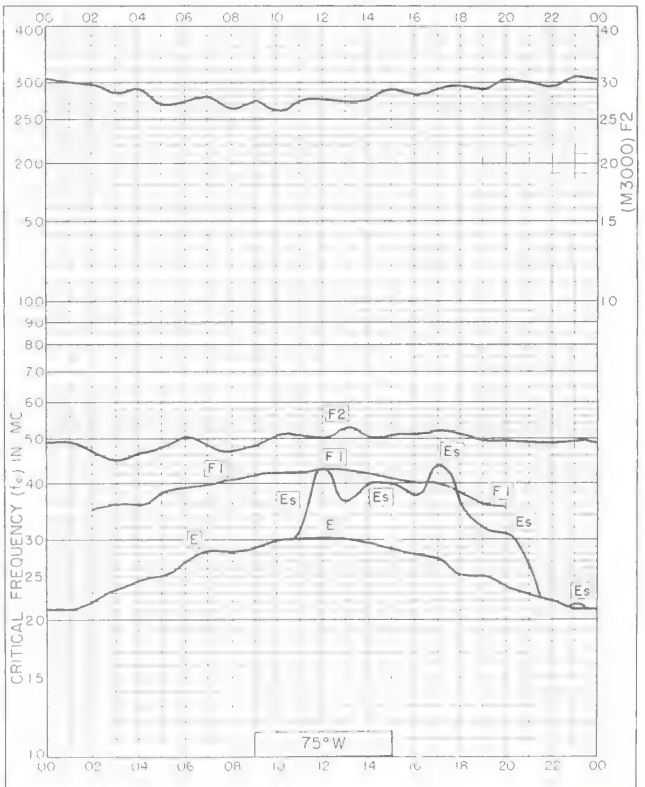


Fig. 12. THULE, GREENLAND
76.0°N, 68.0°W JUNE 1961

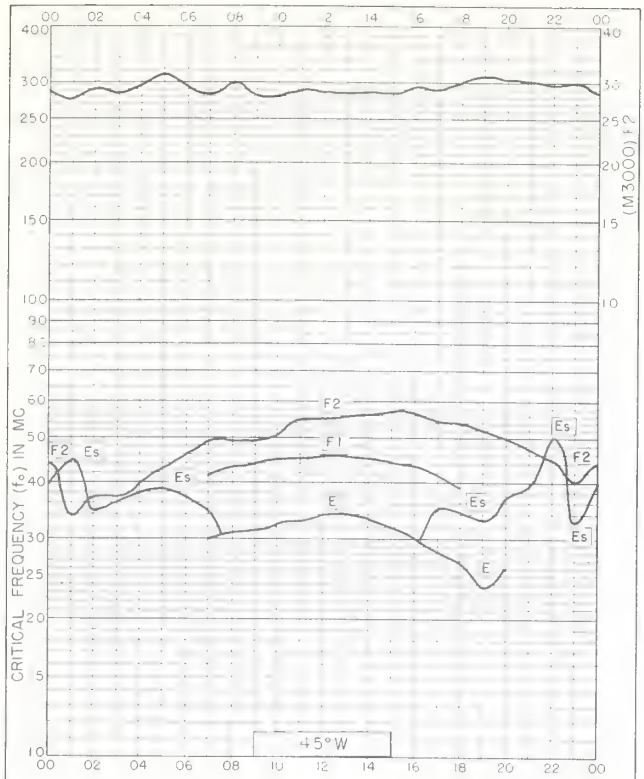


Fig. 13. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W JUNE 1961

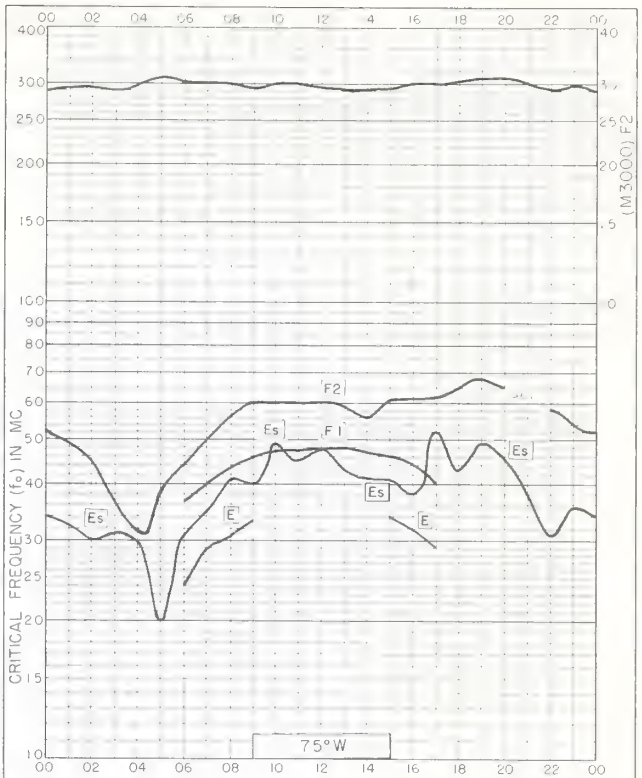


Fig. 14. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W JUNE 1961

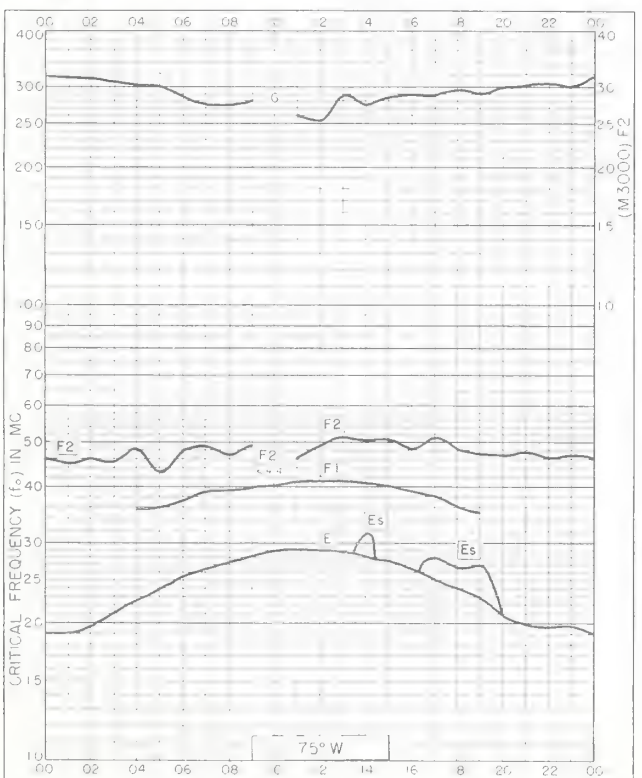


Fig. 15. THULE, GREENLAND
76.0°N, 68.0°W MAY 1961

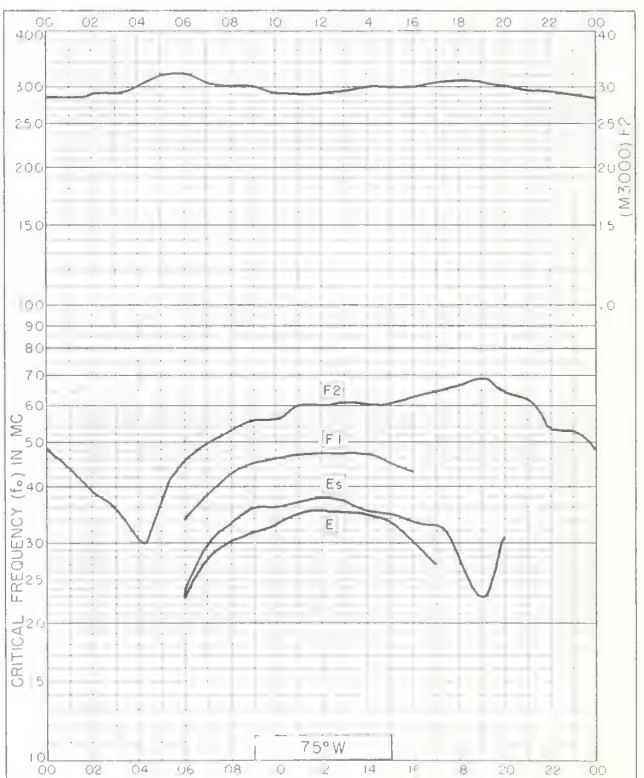


Fig. 16. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W MAY 1961

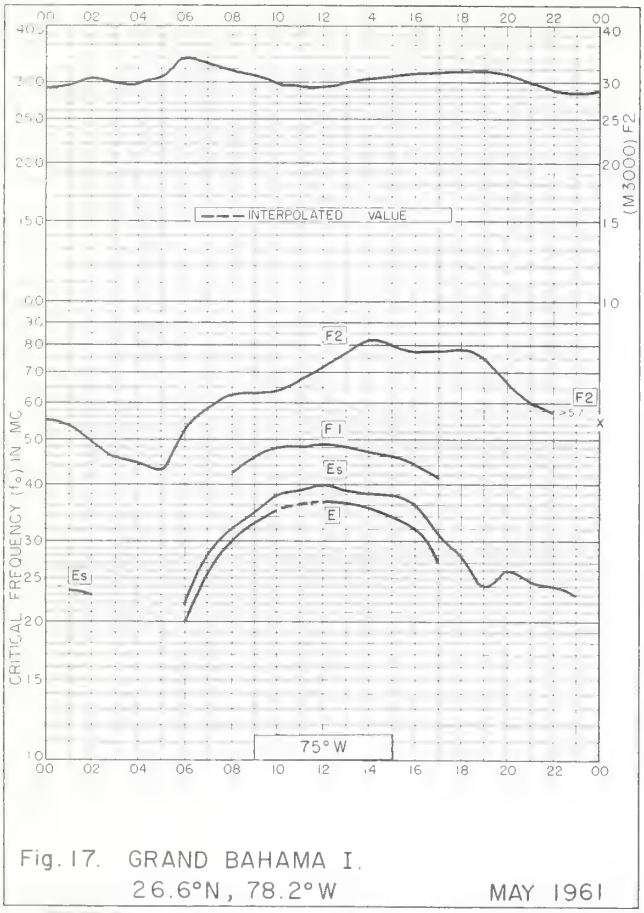


Fig. 17. GRAND BAHAMA I.
26.6°N, 78.2°W MAY 1961

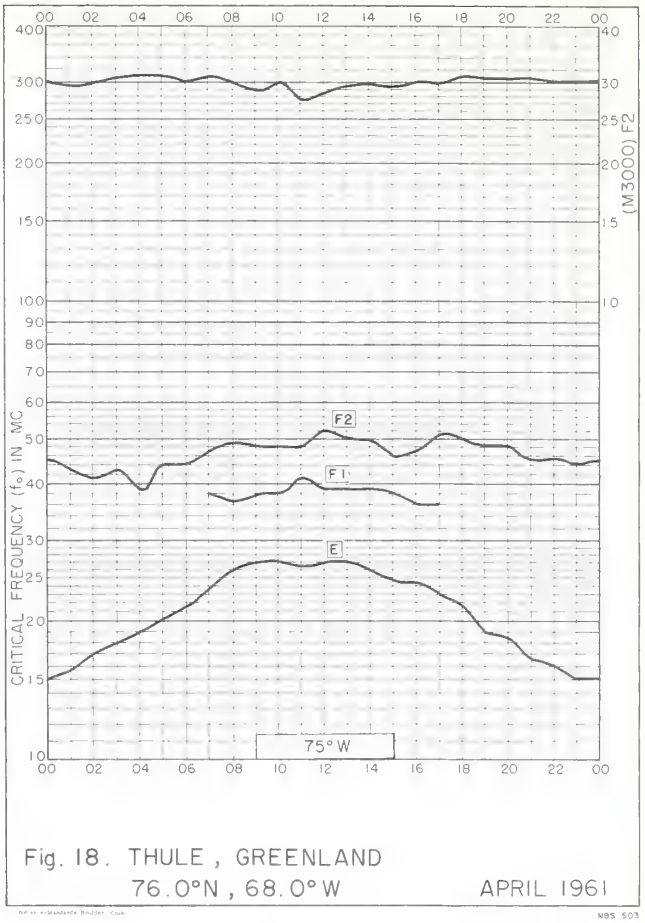


Fig. 18. THULE, GREENLAND
76.0°N, 68.0°W APRIL 1961

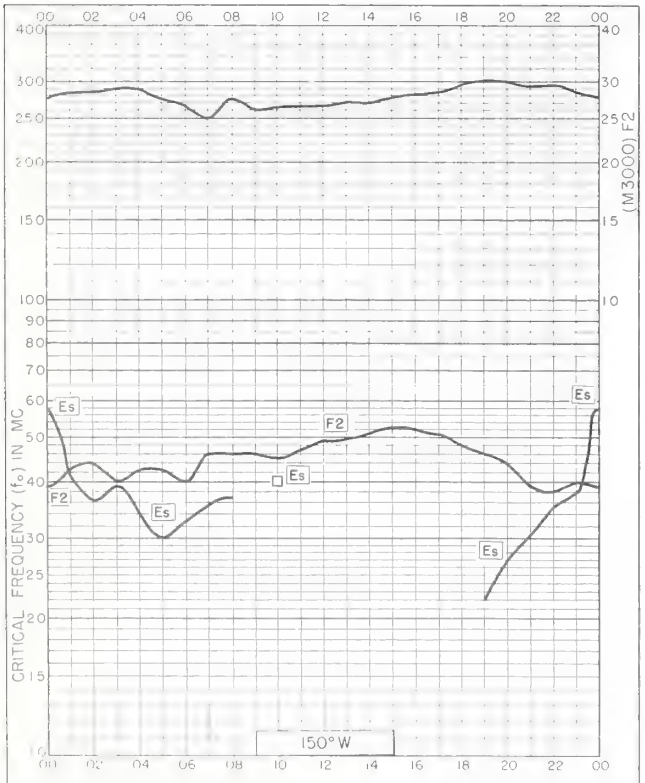


Fig. 19. POINT BARROW, ALASKA
71.3°N, 156.8°W APRIL 1961

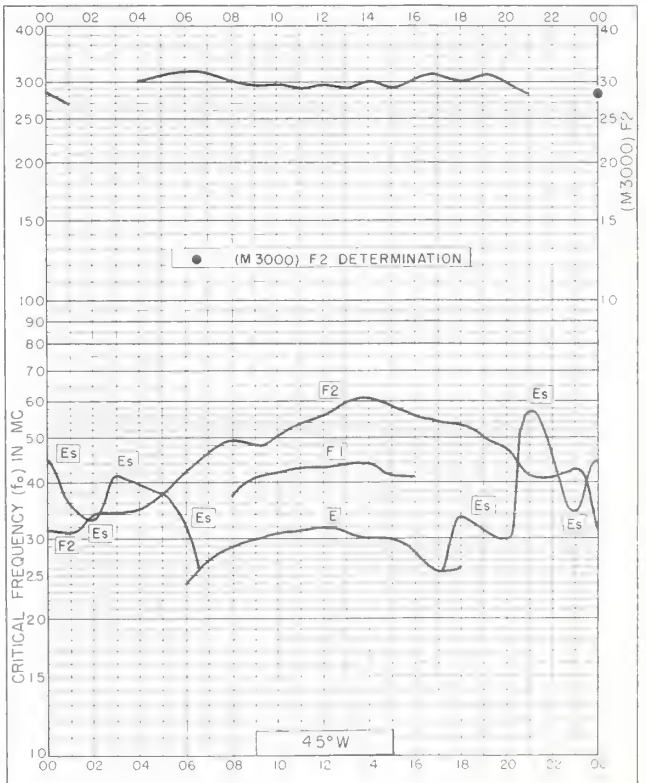


Fig. 20. NARSSARSSUAG, GREENLAND
61.2°N, 45.4°W APRIL 1961

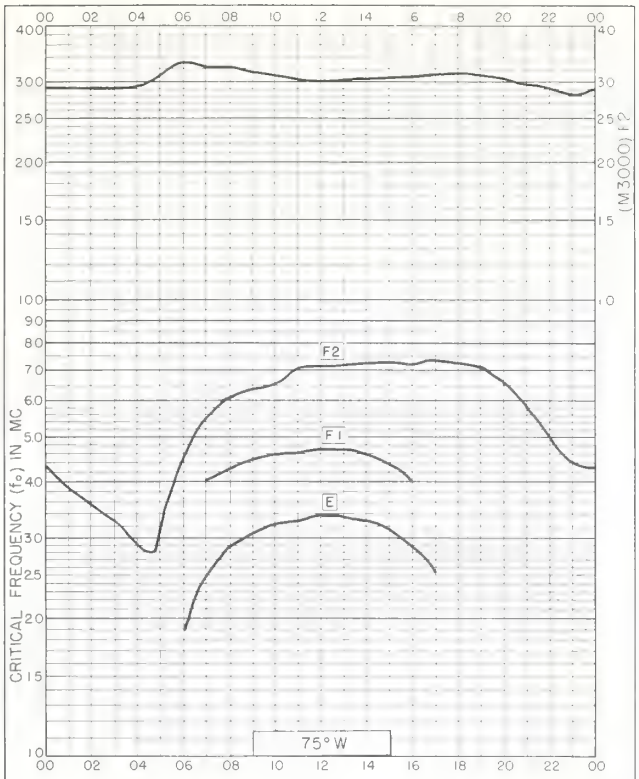


Fig. 21. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W APRIL 1961

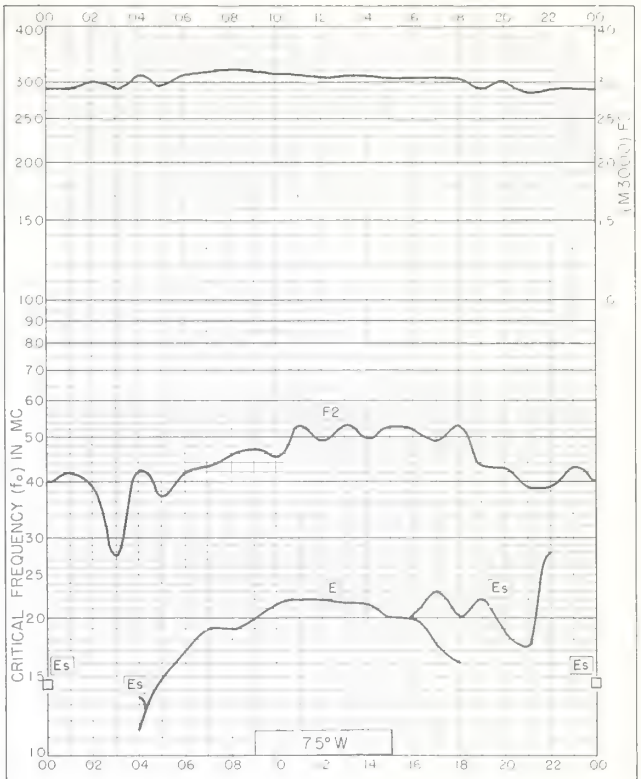


Fig. 22. THULE, GREENLAND
76.0°N, 68.0°W MARCH 1961

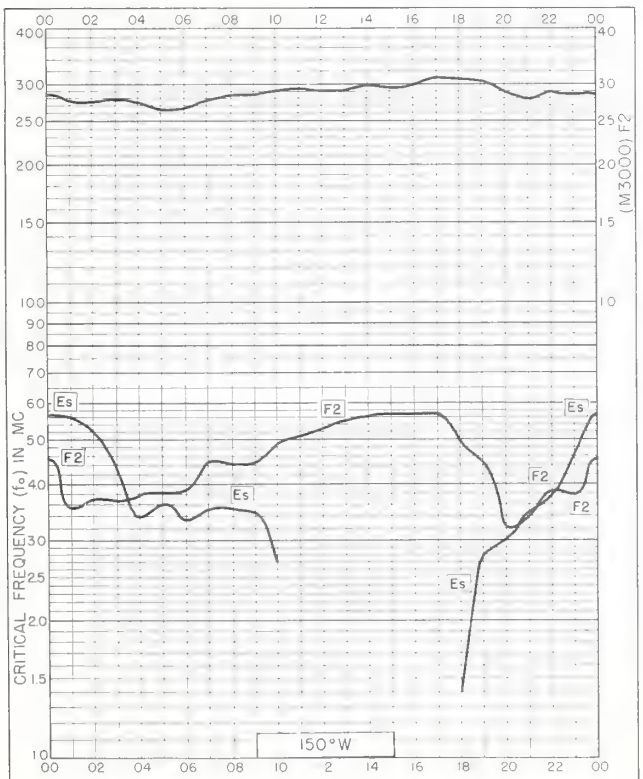


Fig. 23. POINT BARROW, ALASKA
71.3°N, 156.8°W MARCH 1961

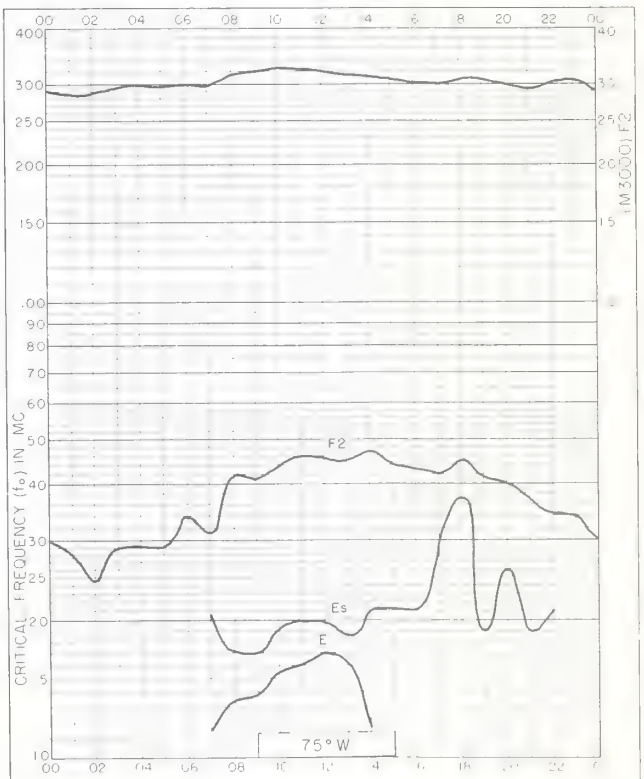


Fig. 24. THULE, GREENLAND
76.0°N, 68.0°W FEBRUARY 1961

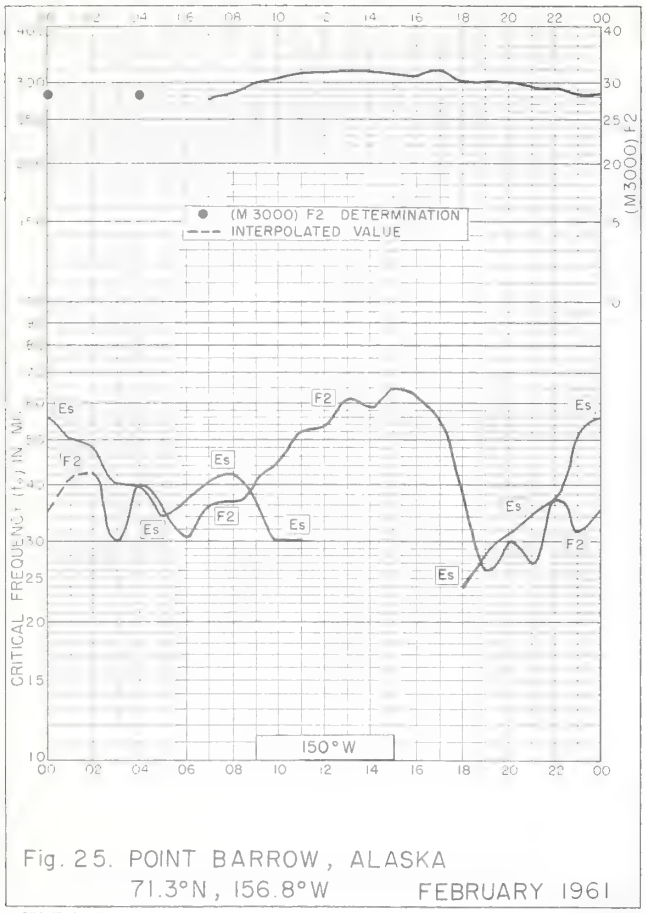


Fig. 25. POINT BARROW, ALASKA
71.3°N, 156.8°W FEBRUARY 1961

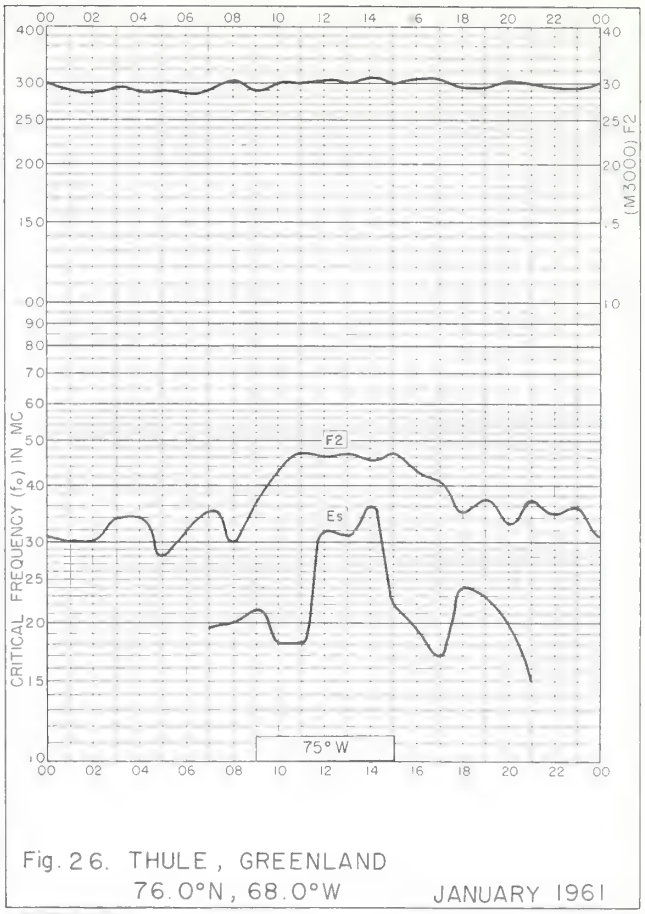


Fig. 26. THULE, GREENLAND
76.0°N, 68.0°W JANUARY 1961

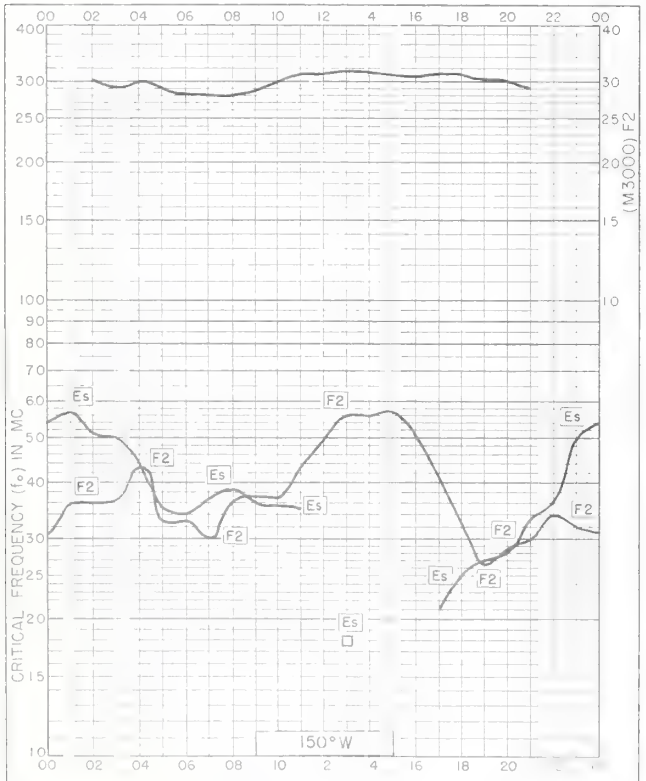


Fig. 27. POINT BARROW, ALASKA
71.3°N, 156.8°W JANUARY 1961

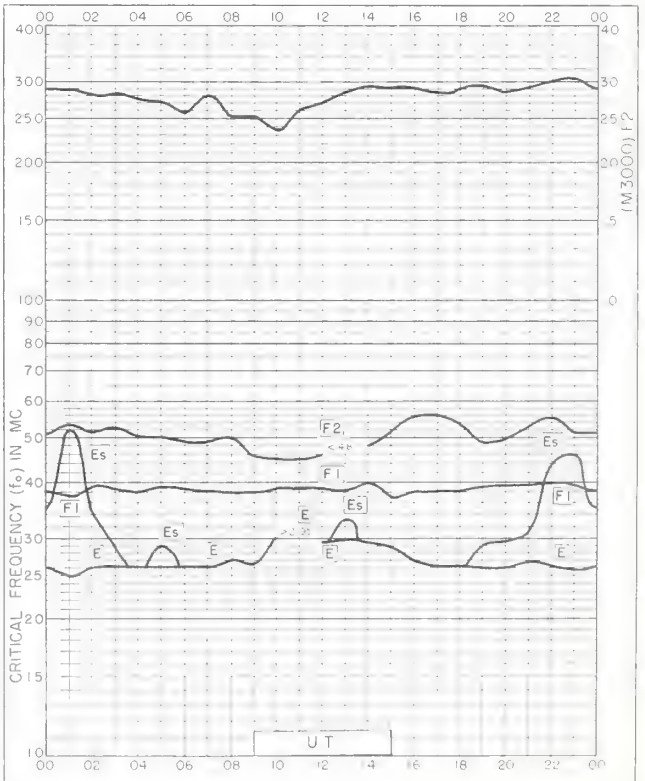


Fig. 28. POLE STATION
90.0°S JANUARY 1961

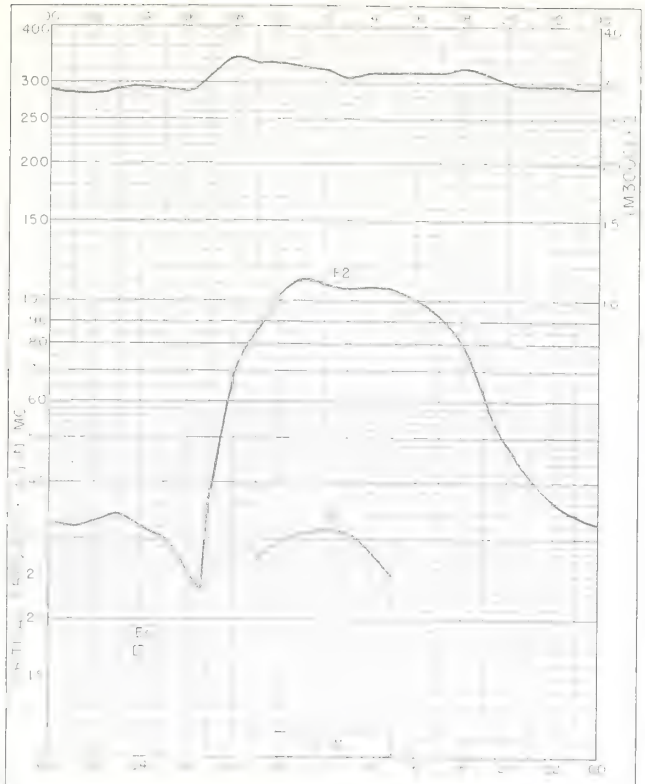


Fig. 29. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W DECEMBER 1960

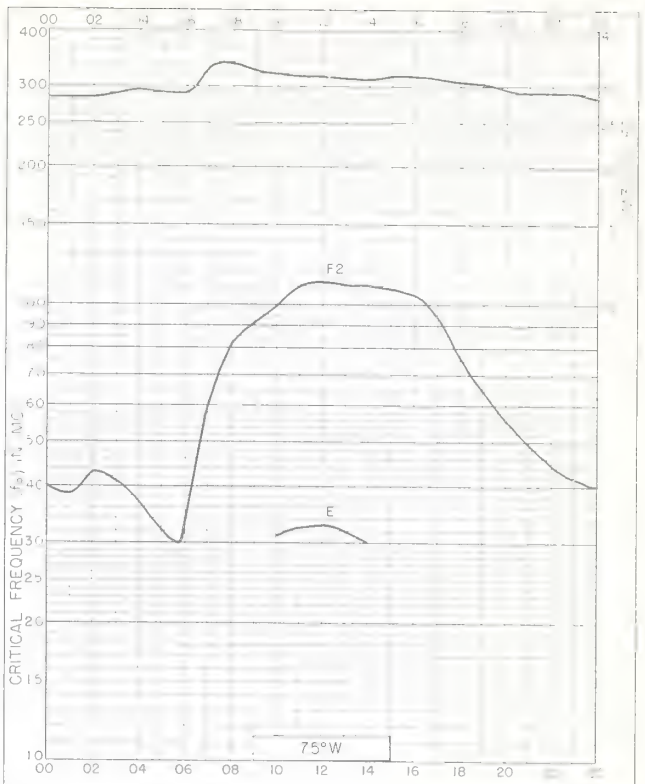


Fig. 30. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W NOVEMBER 1960

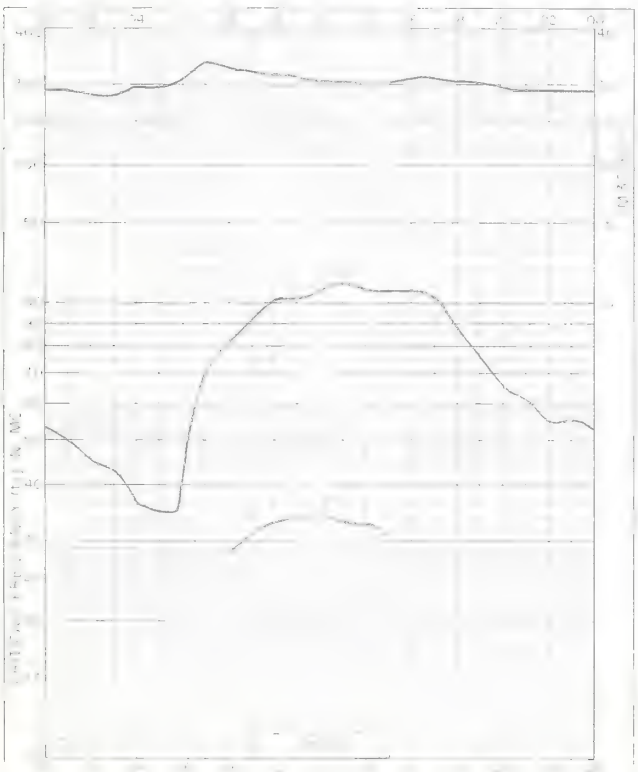


Fig. 31. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W OCTOBER 1960

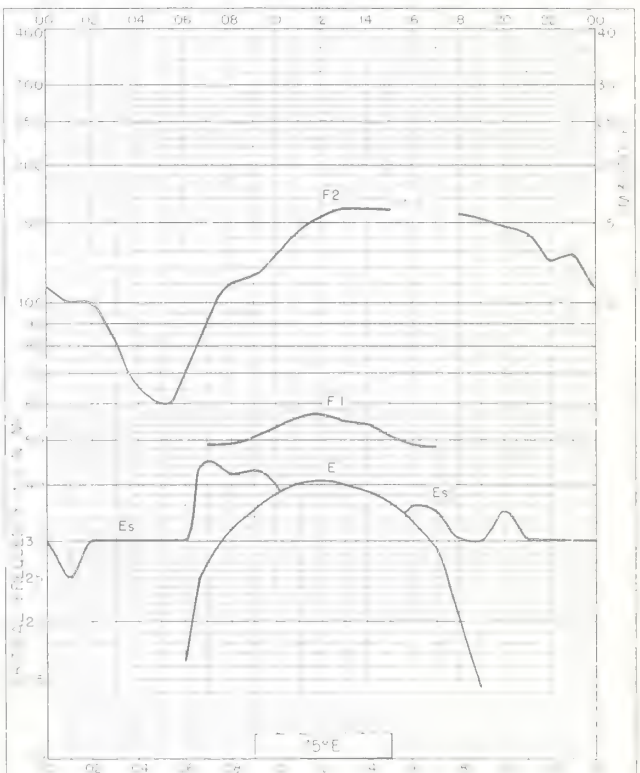


Fig. 32. AHMEDABAD, INDIA
23.0°N, 72.6°E APRIL 196

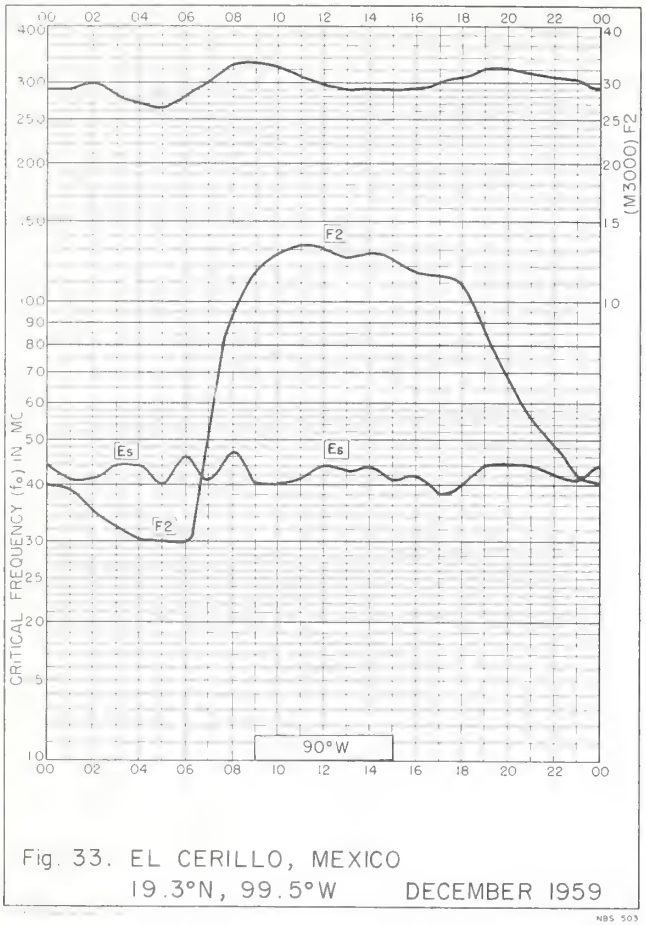


Fig. 33. EL CERILLO, MEXICO
19.3°N, 99.5°W DECEMBER 1959

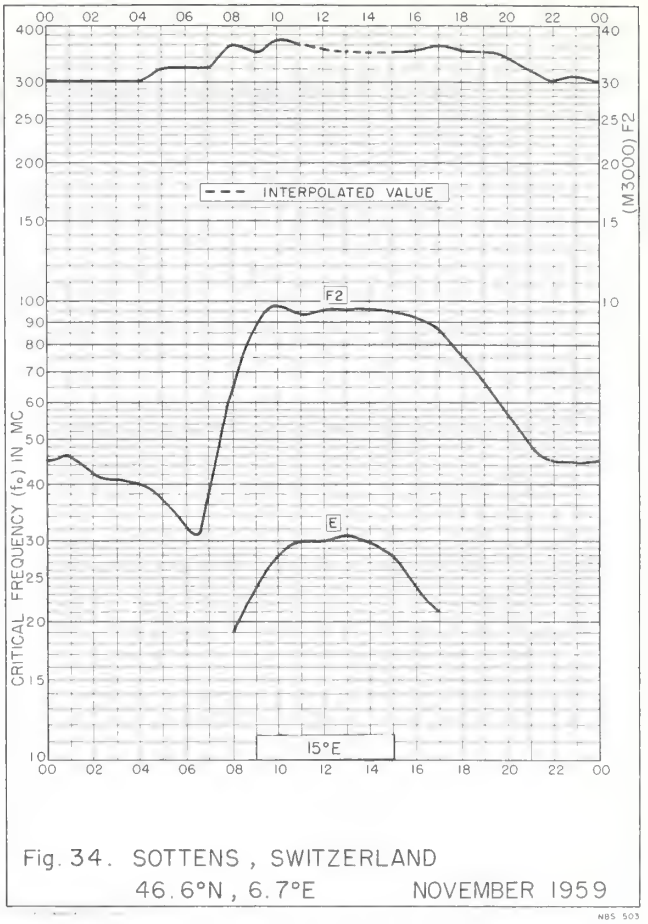


Fig. 34. SOTTENS, SWITZERLAND
46.6°N, 6.7°E NOVEMBER 1959

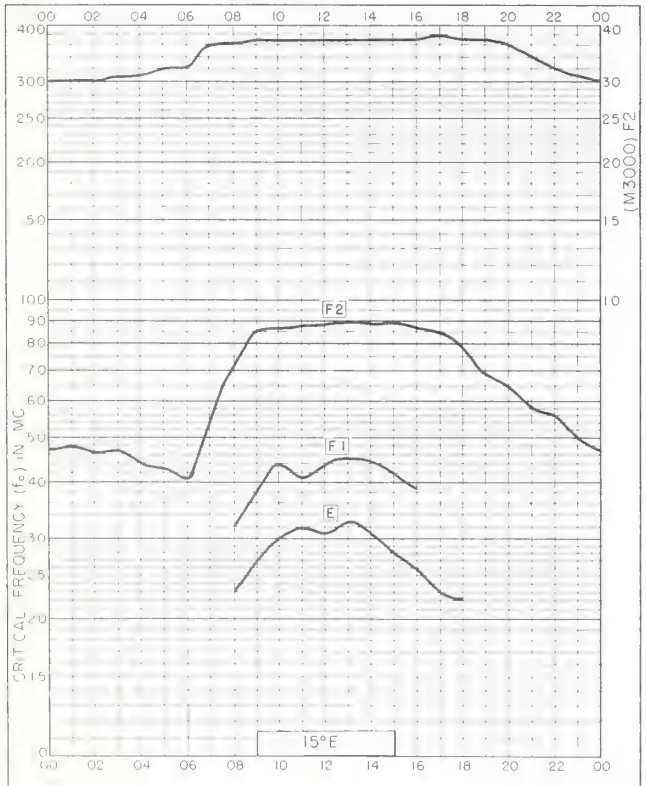


Fig 35. SOTTENS, SWITZERLAND
46.6°N, 6.7°E OCTOBER 1959

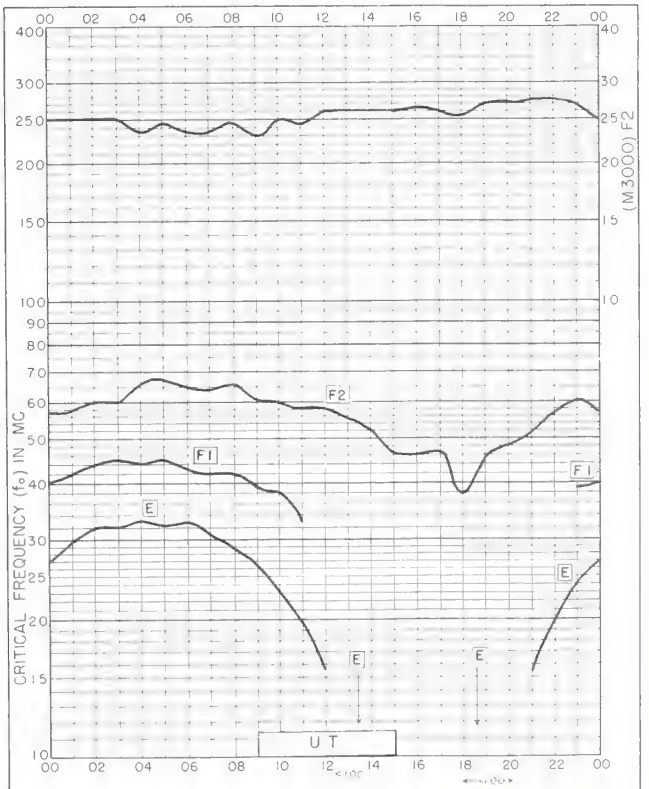


Fig. 36. WILKES STATION
66.3°S, 110.5°E OCTOBER 1959

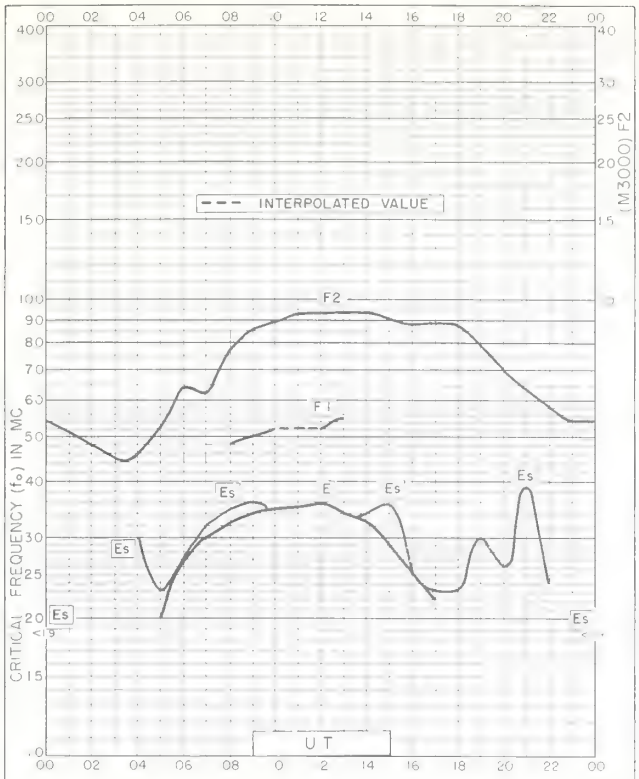


Fig. 37. PRUHONICE, CZECHOSLOVAKIA
50.0°N, 14.6°E SEPTEMBER 1959

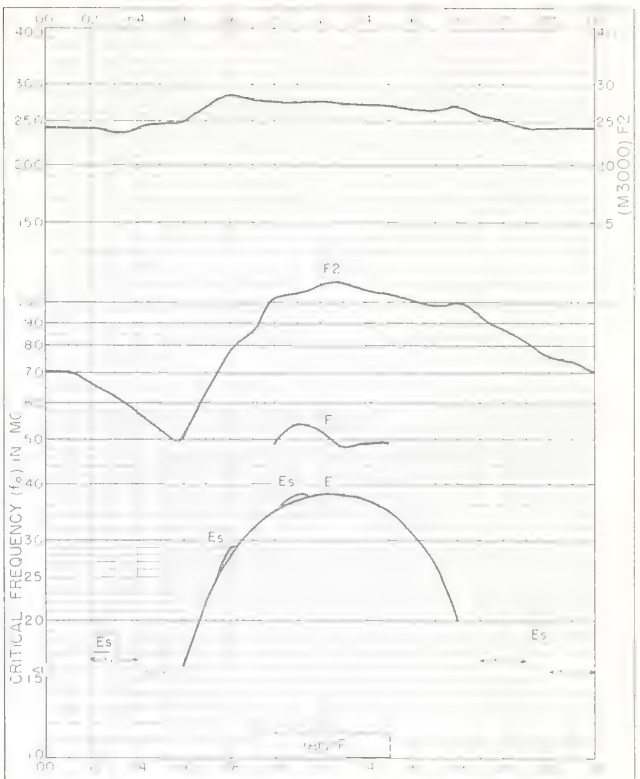


Fig. 38. CHRISTCHURCH, NEW ZEALAND
43.6°S, 172.8°E SEPTEMBER 1959

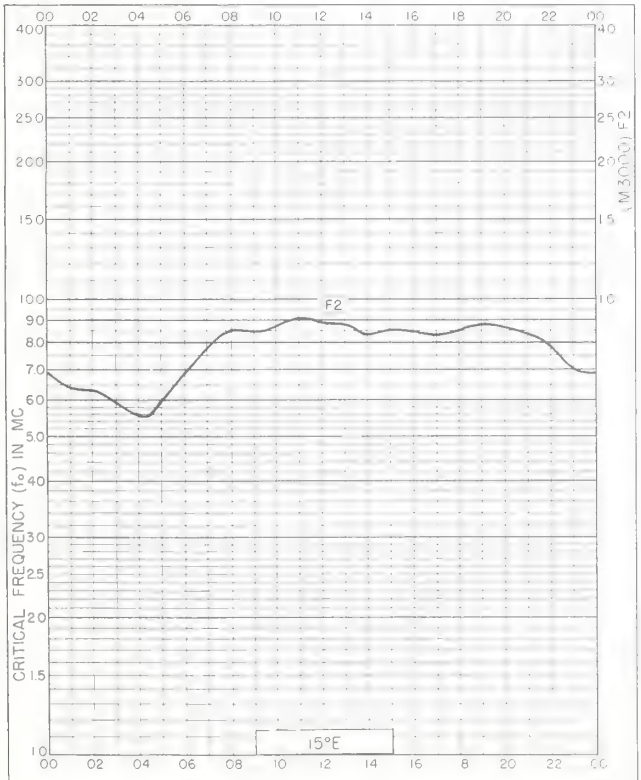


Fig. 39. GRAZ, AUSTRIA
47.1°N, 15.5°E AUGUST 1959

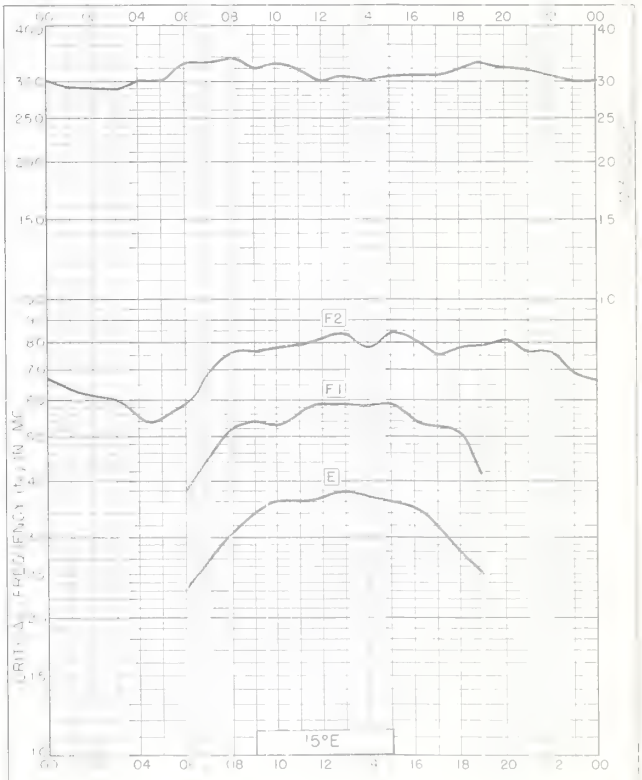


Fig. 40. SOTTENS, SWITZERLAND
46.6°N, 6.7°E AUGUST 1959

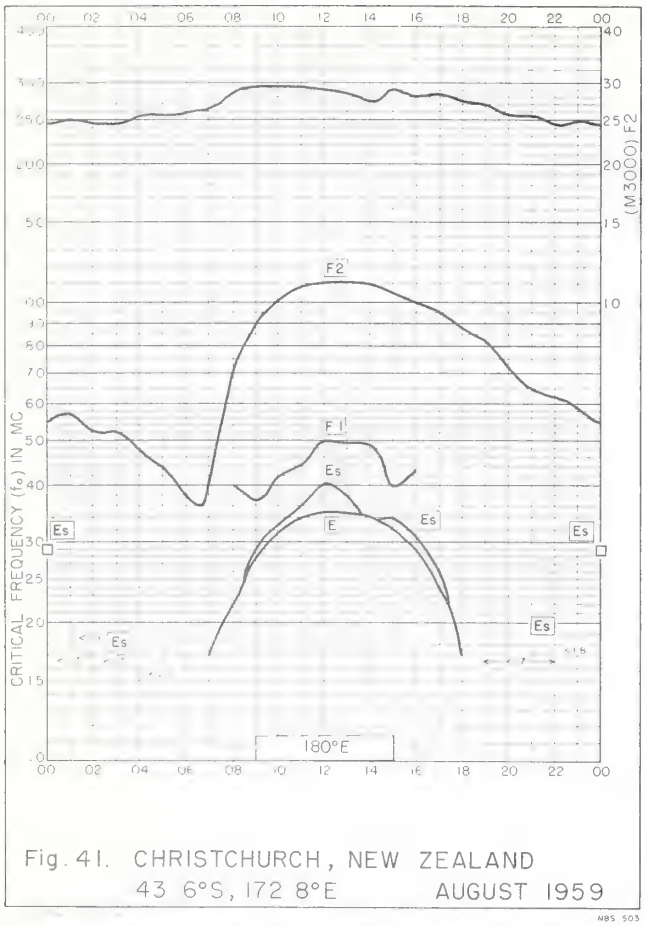


Fig. 41. CHRISTCHURCH, NEW ZEALAND
43 6°S, 172 8°E AUGUST 1959

NBS 503

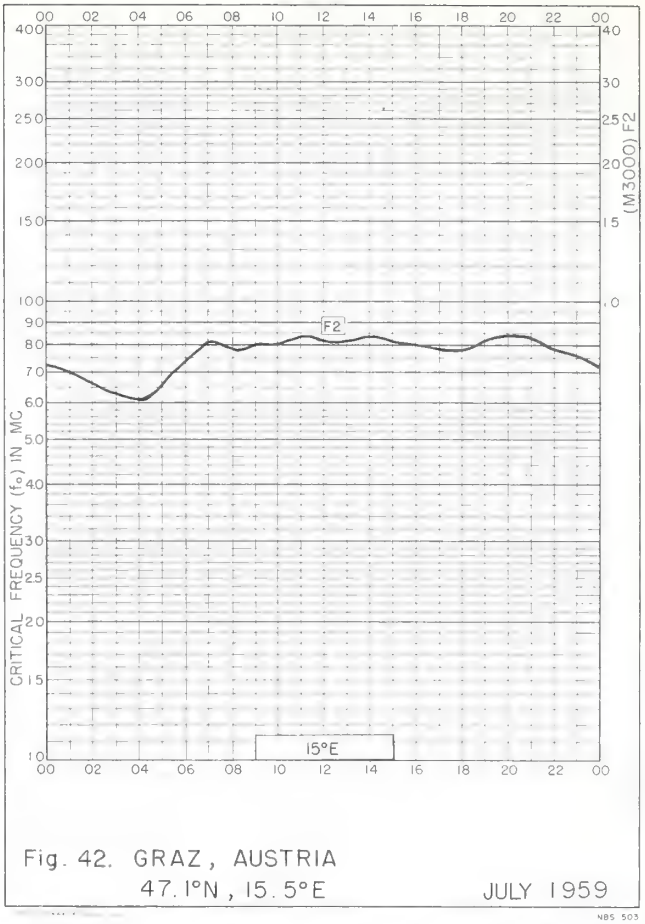


Fig. 42. GRAZ, AUSTRIA
47.1°N, 15.5°E JULY 1959

NBS 503

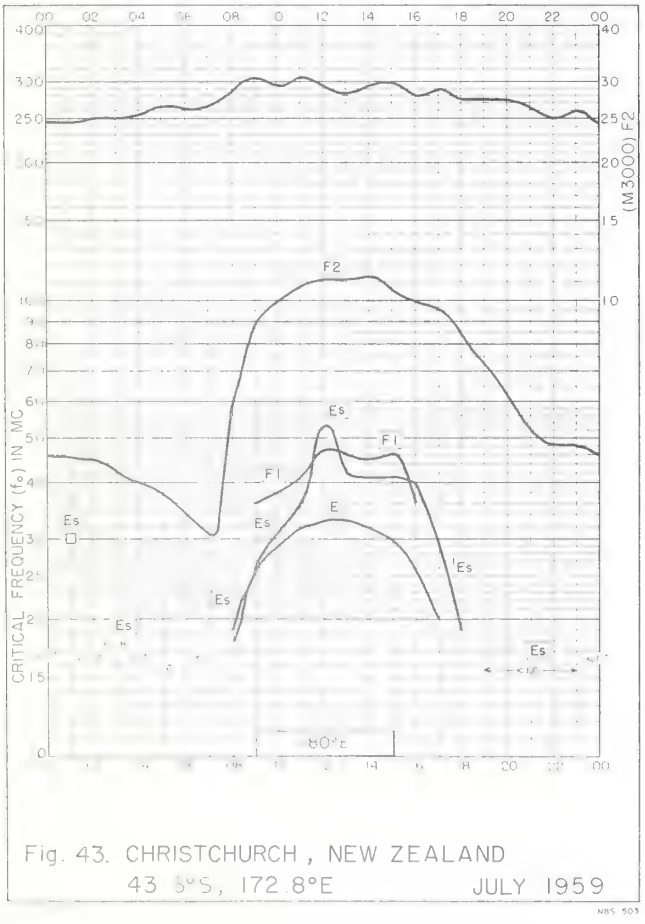


Fig. 43. CHRISTCHURCH, NEW ZEALAND
43 6°S, 172.8°E JULY 1959

NBS 503

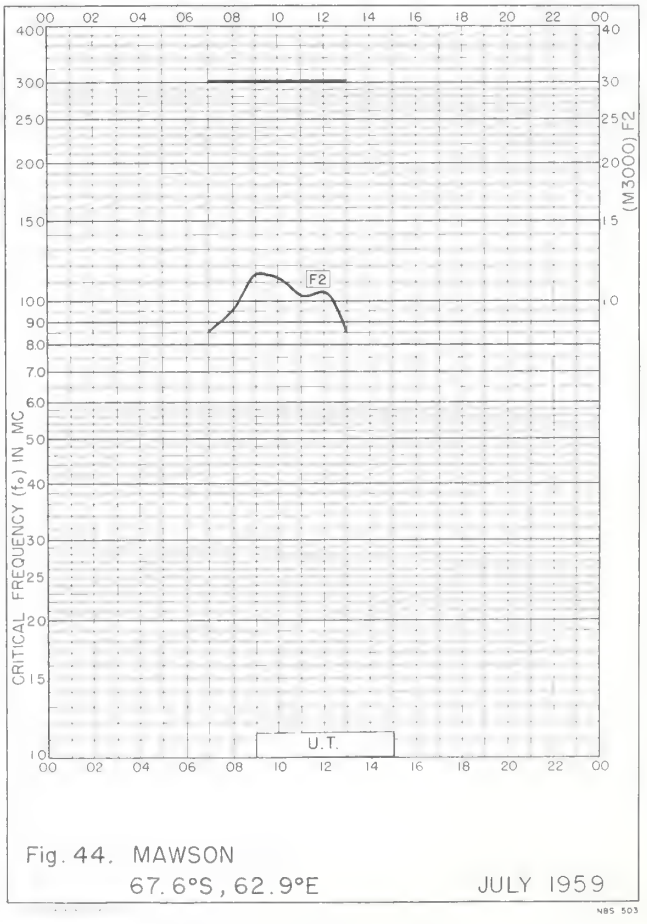


Fig. 44. MAWSON
67.6°S, 62.9°E JULY 1959

NBS 503

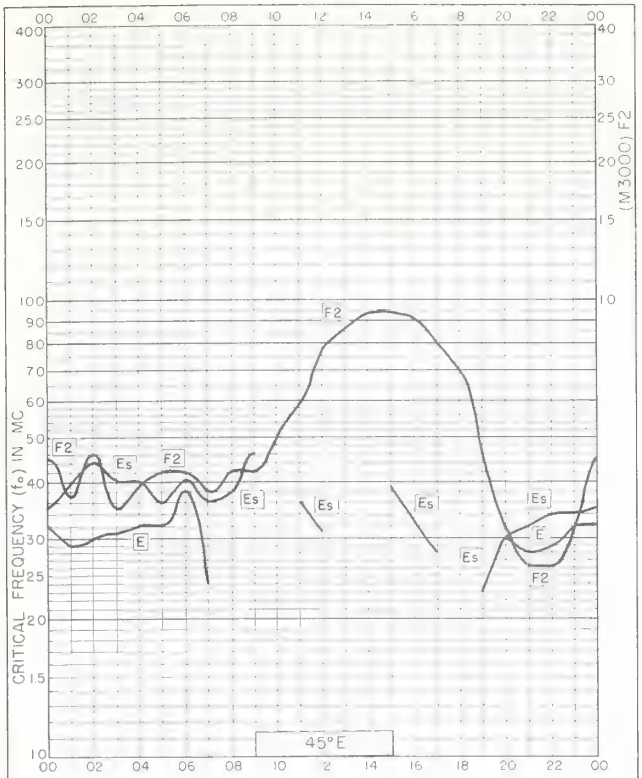


Fig. 45. SYOWA BASE
69.0°, 39.6°E JULY 1959

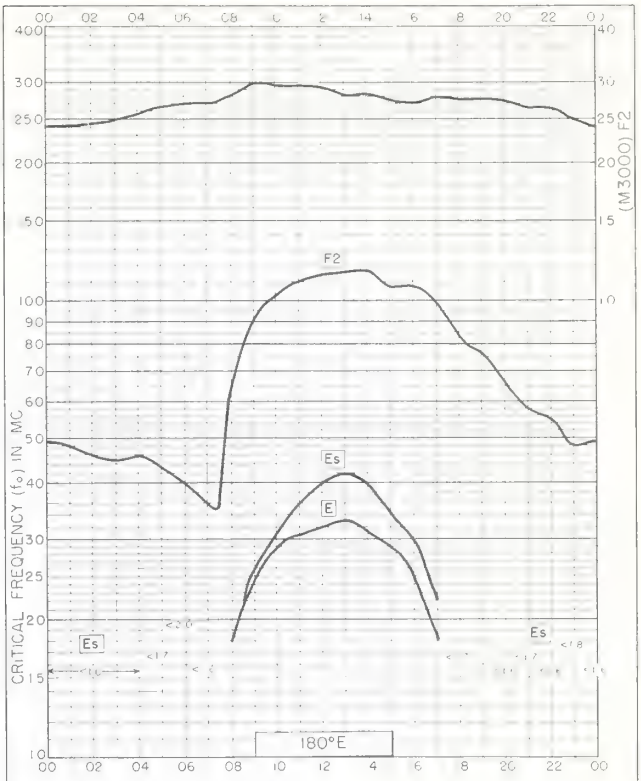


Fig. 46. CHRISTCHURCH, NEW ZEALAND
43.6°S, 172.8°E JUNE 1959

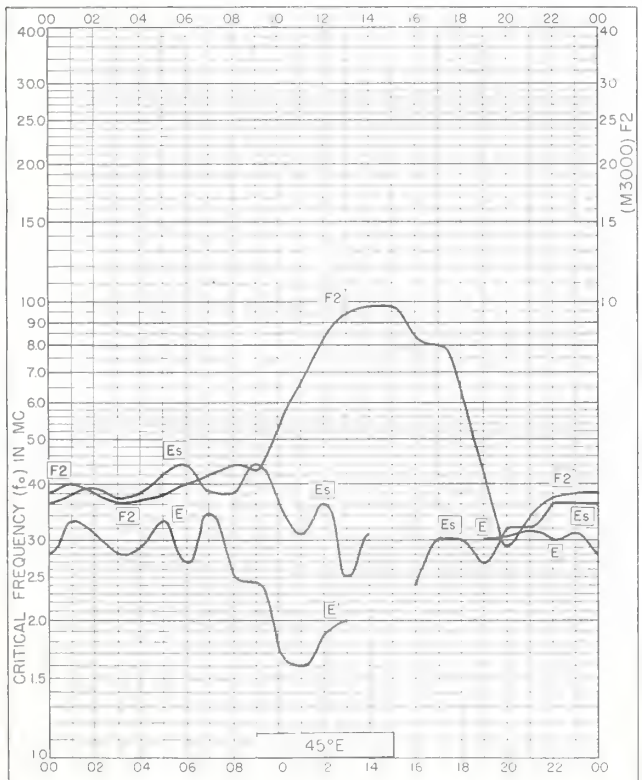


Fig. 47. SYOWA BASE
69.0°S, 39.6°E JUNE 1959

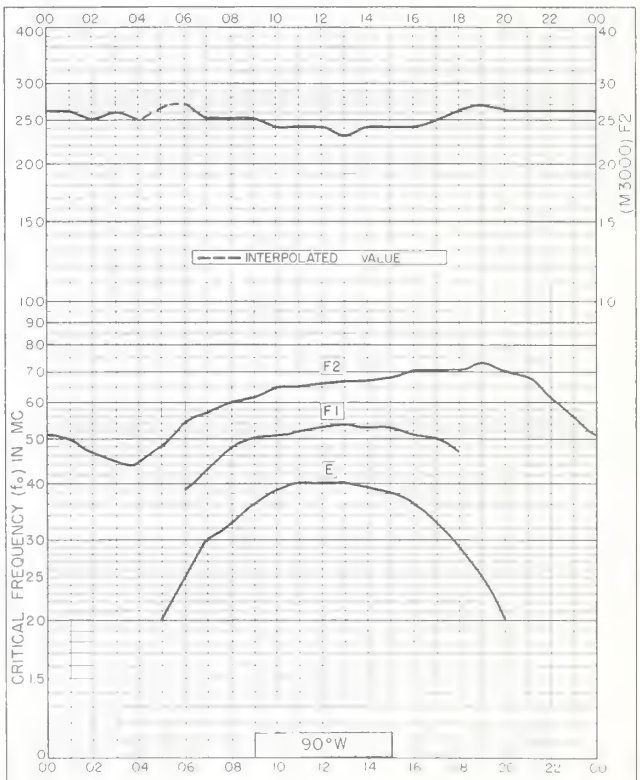


Fig. 48. WINNIPEG, CANADA
49.9°N, 97.4° W MAY 1959

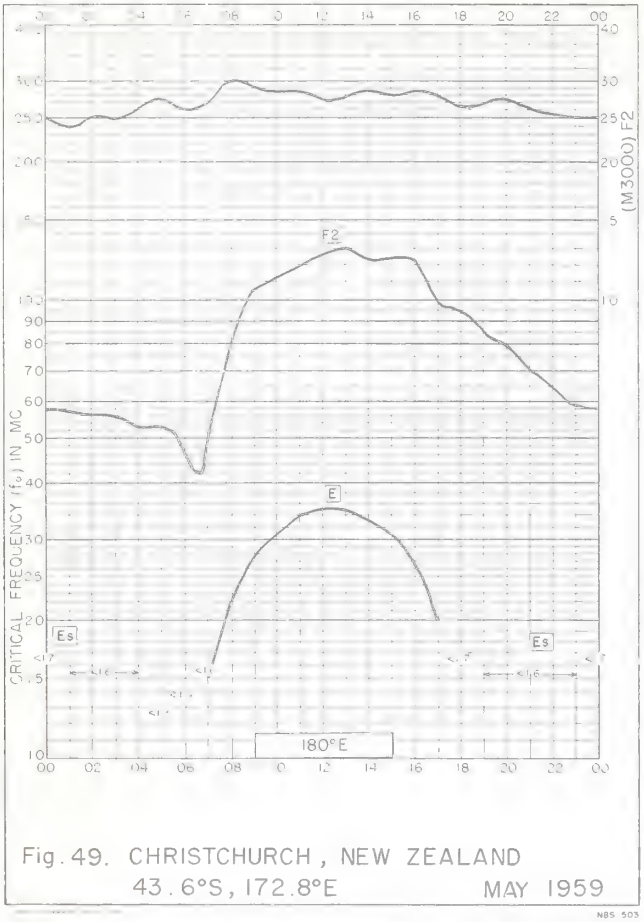


Fig. 49. CHRISTCHURCH, NEW ZEALAND
43.6°S, 172.8°E MAY 1959

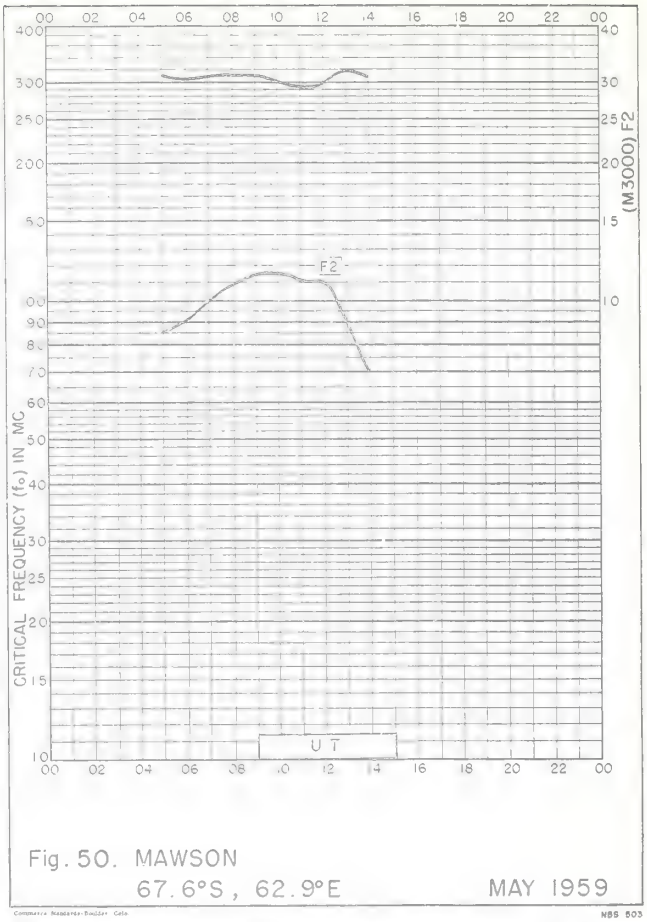


Fig. 50. MAWSON
67.6°S, 62.9°E MAY 1959

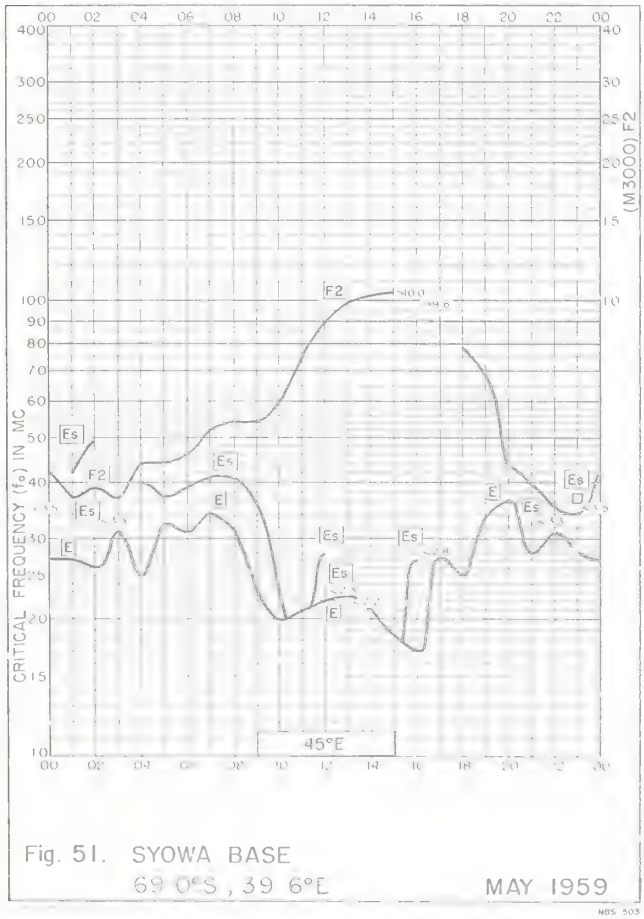


Fig. 51. SYOWA BASE
69.0°S, 39.6°E MAY 1959

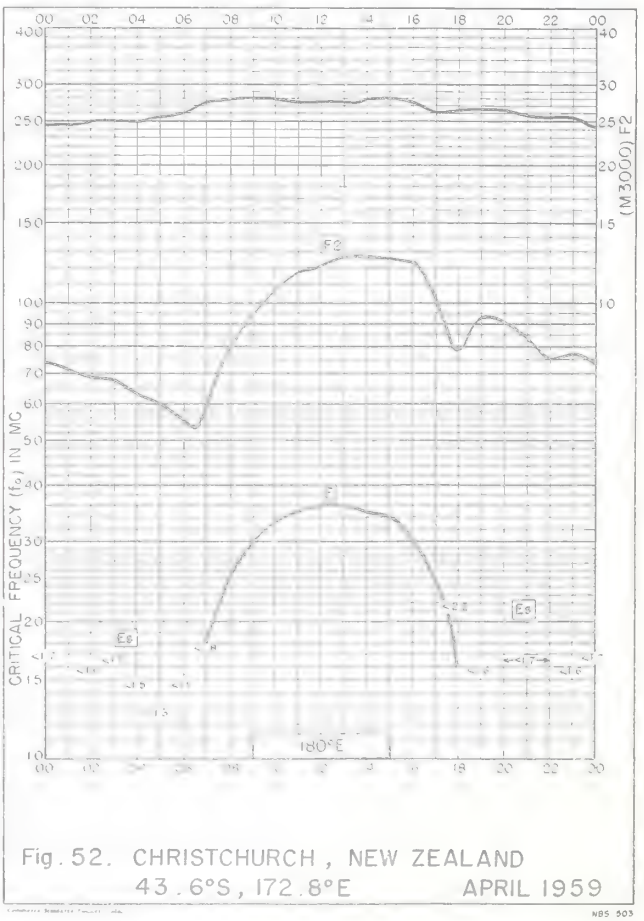


Fig. 52. CHRISTCHURCH, NEW ZEALAND
43.6°S, 172.8°E APRIL 1959

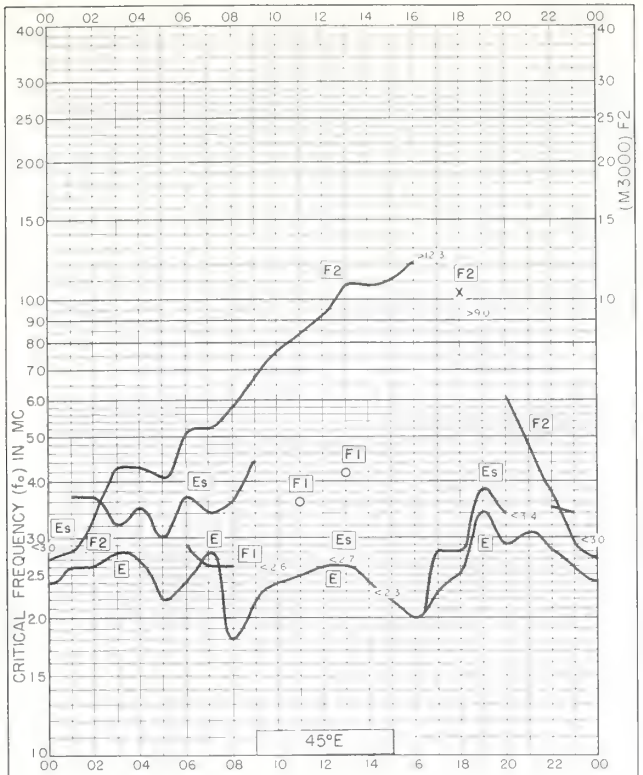


Fig. 53. SYOWA BASE
69.0°S, 39.6°E APRIL 1959

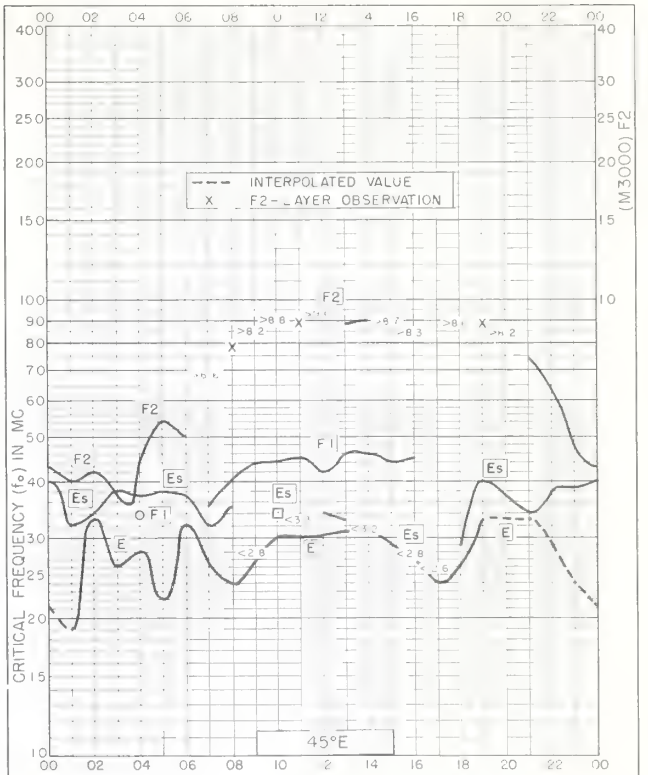


Fig. 54. SYOWA BASE
69.0°S, 39.6°E MARCH 1959

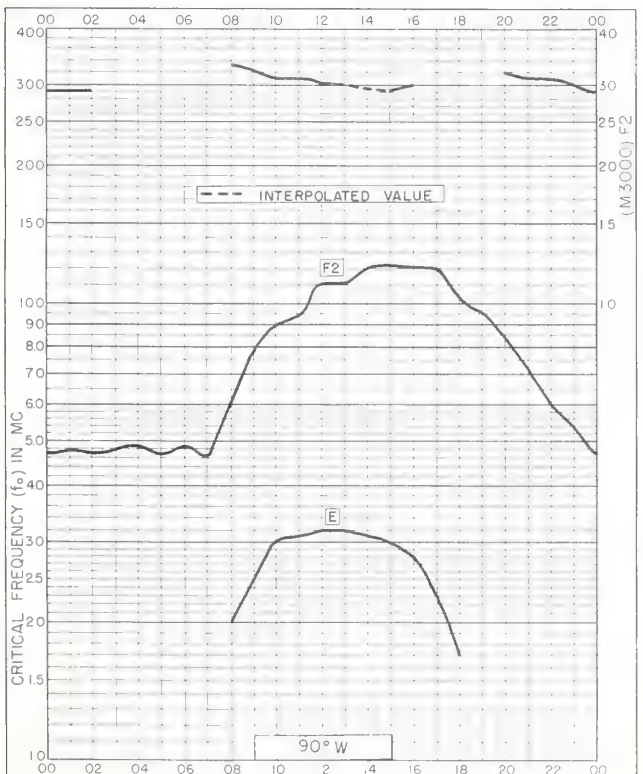


Fig. 55. WINNIPEG, CANADA
49.9°N, 97.4°W FEBRUARY 1959

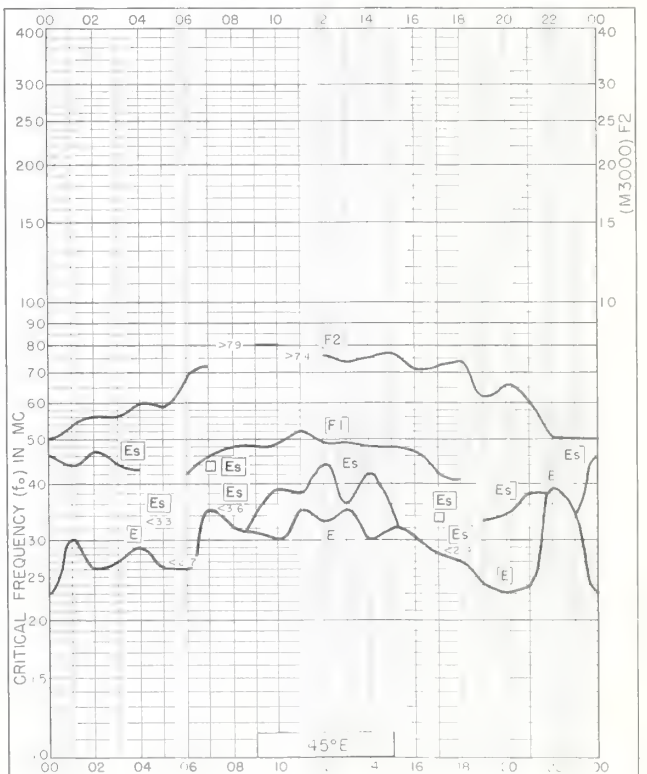


Fig. 56. SYOWA BASE
69.0°S, 39 6°E FEBRUARY 1959

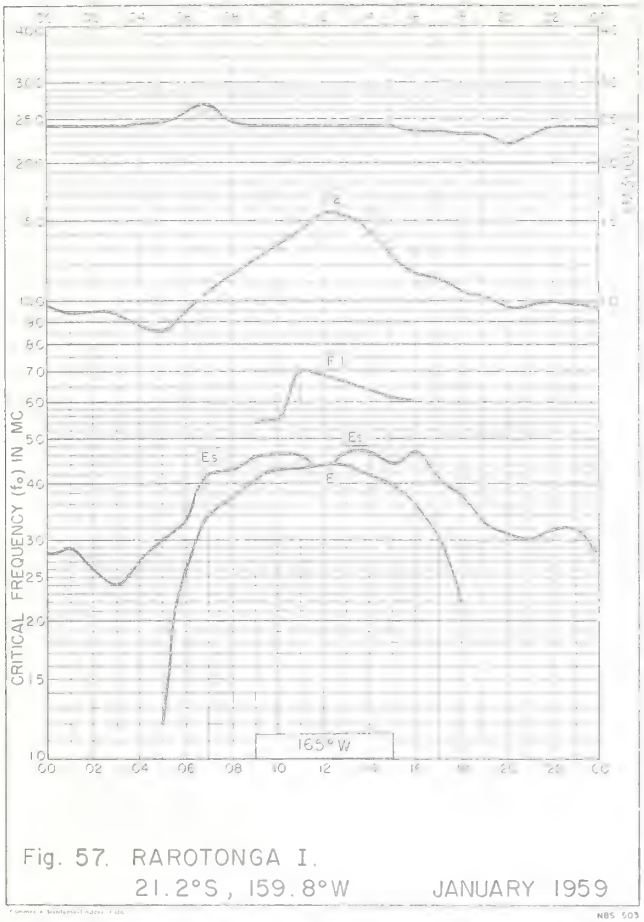


Fig. 57. RAROTONGA I.
21.2°S, 159.8°W JANUARY 1959

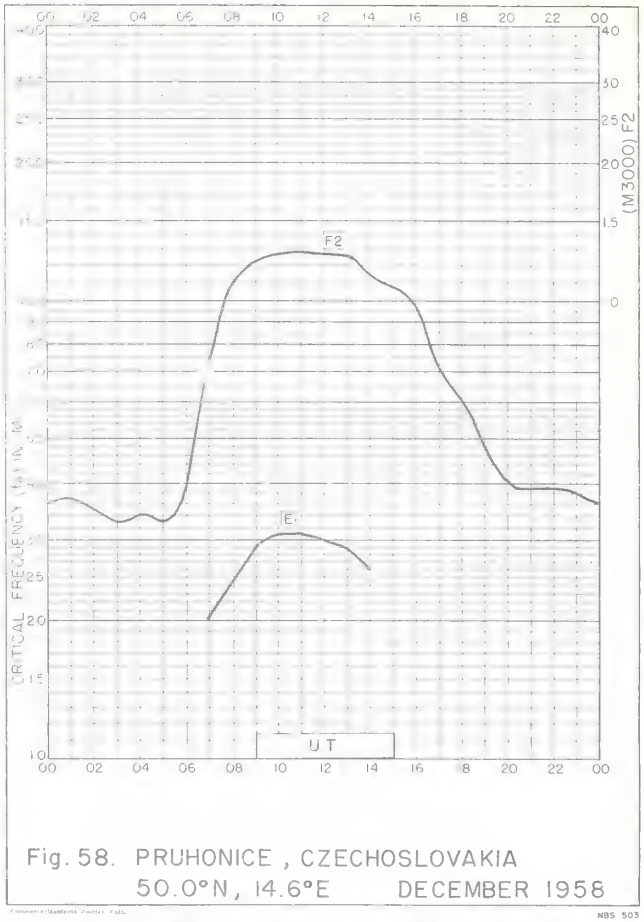


Fig. 58. PRUHONICE, CZECHOSLOVAKIA
50.0°N, 14.6°E DECEMBER 1958

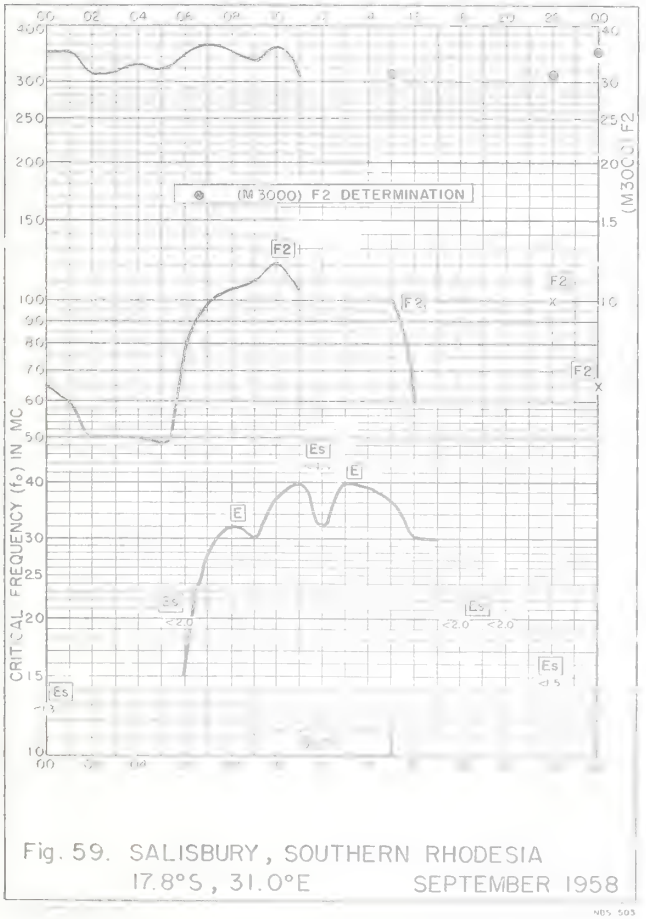


Fig. 59. SALISBURY, SOUTHERN RHODESIA
17.8°S, 31.0°E SEPTEMBER 1958

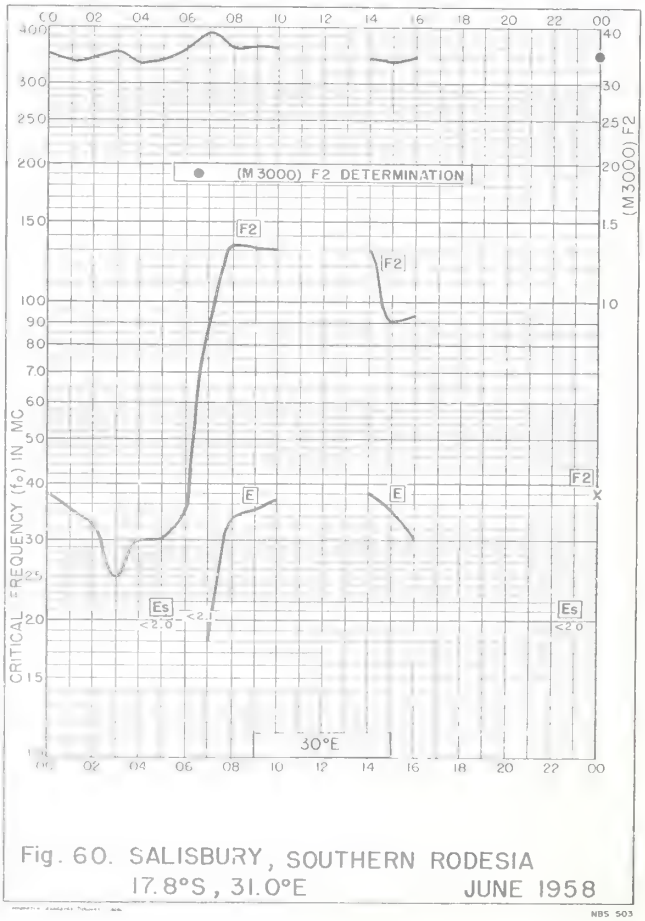


Fig. 60. SALISBURY, SOUTHERN RODESIA
17.8°S, 31.0°E JUNE 1958

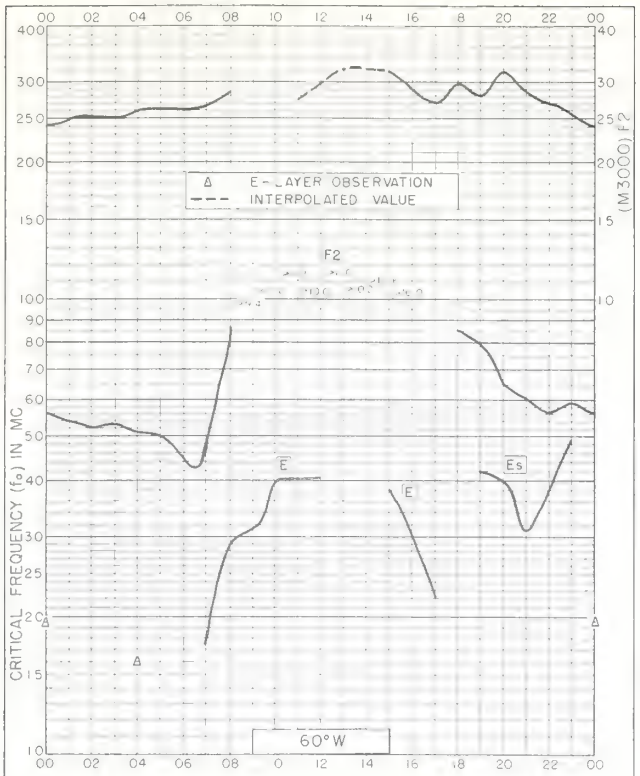


Fig. 61. TRELEW, ARGENTINA
43.2°S, 65.3°W JUNE 1958

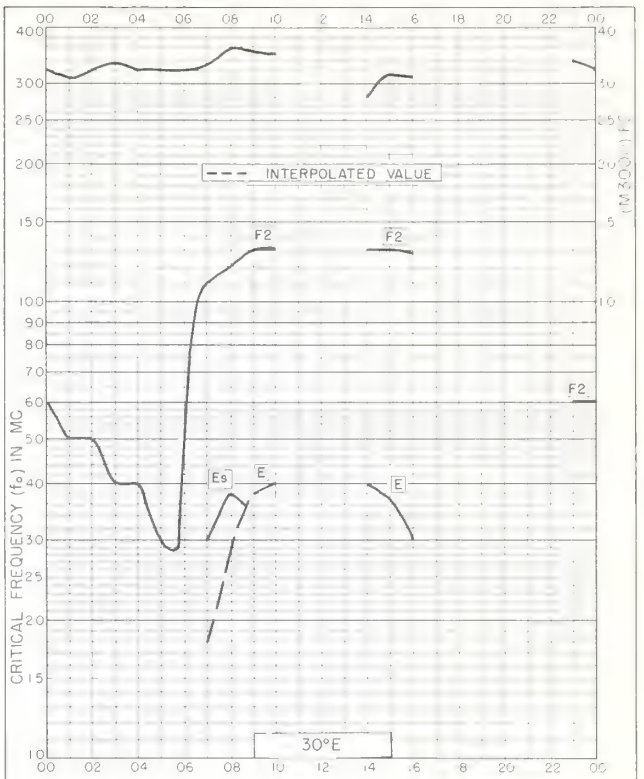


Fig. 62. SALISBURY, SOUTHERN RHODESIA
17.8°S, 31.0°E MAY 1958

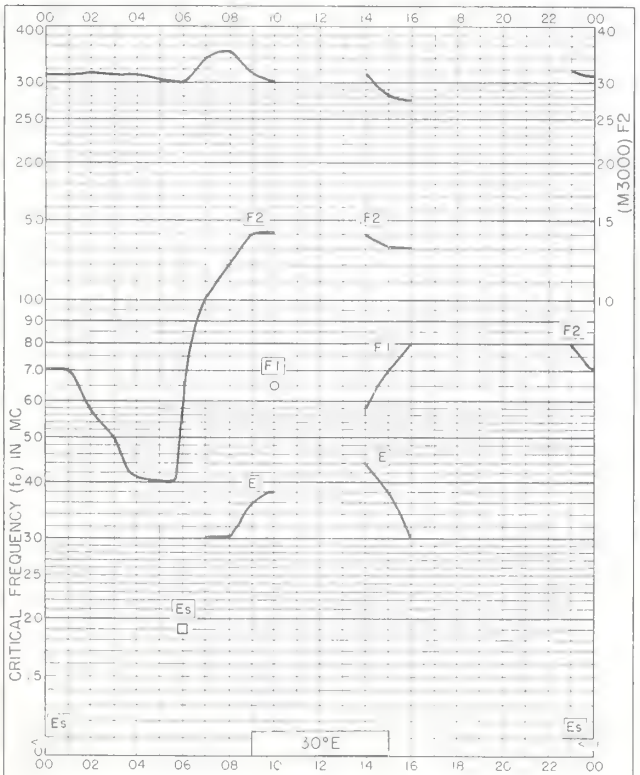


Fig. 63. SALISBURY, SOUTHERN RHODESIA
17.8°S, 31.0°E APRIL 1958

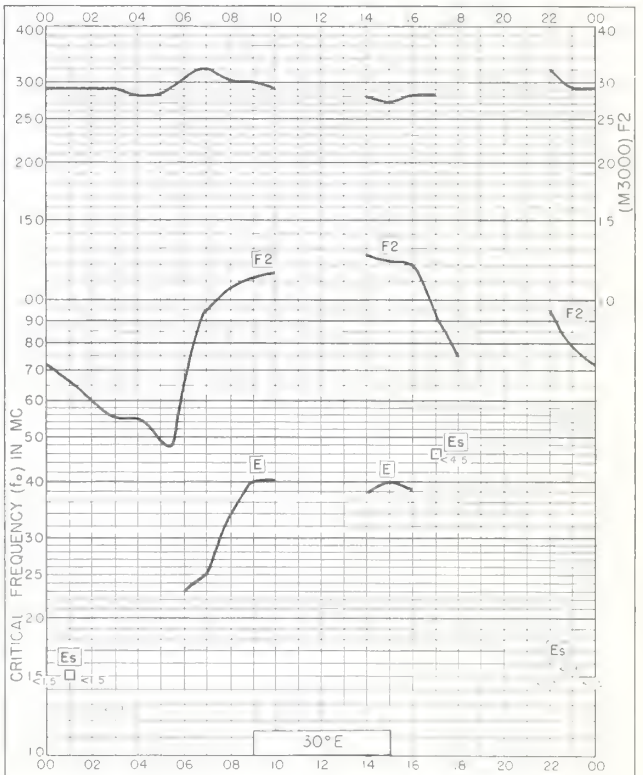


Fig. 64. SALISBURY, SOUTHERN RHODESIA
17.8°S, 31.0°E FEBRUARY 1958

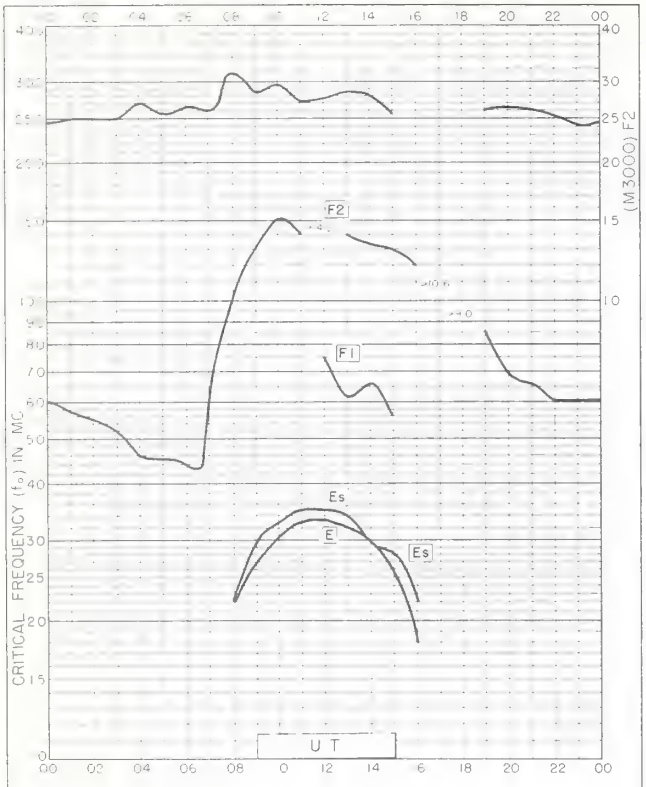


Fig. 65. POITIERS, FRANCE
46.6°N, 0.3°E DECEMBER 1957

NBS 503

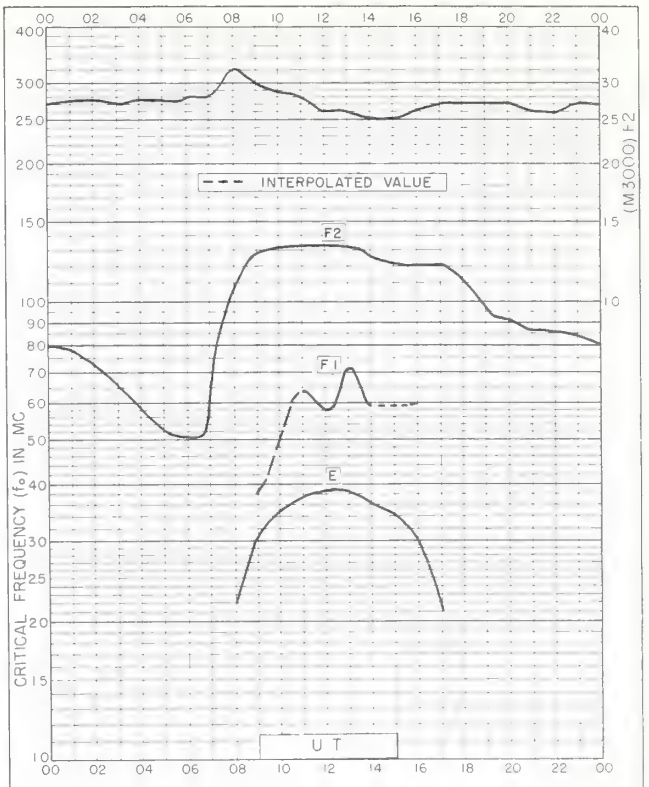


Fig. 66. CASABLANCA, MOROCCO
33.6°N, 7.6°W DECEMBER 1957

NBS 503

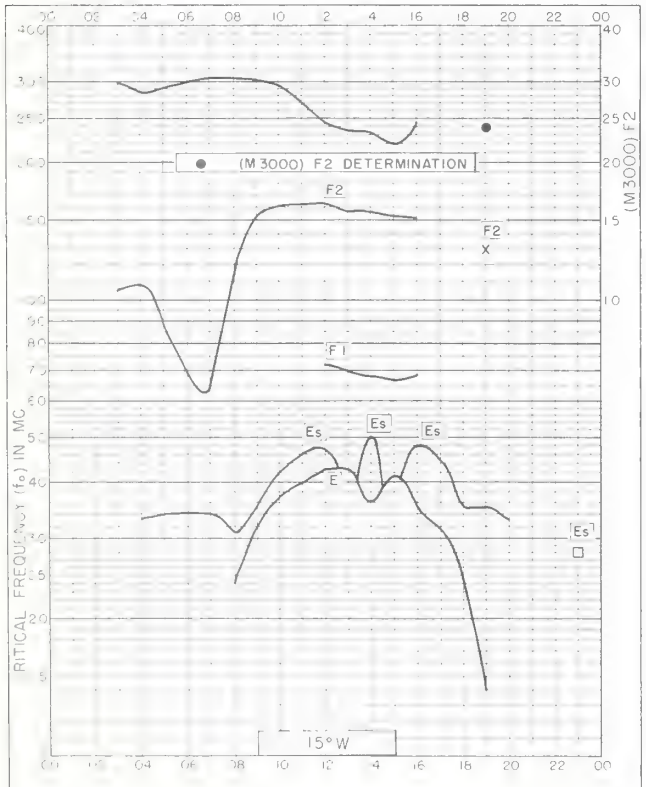


Fig. 67. DAKAR, FRENCH W. AFRICA
14.7°N, 17.4°W DECEMBER 1957

NBS 503

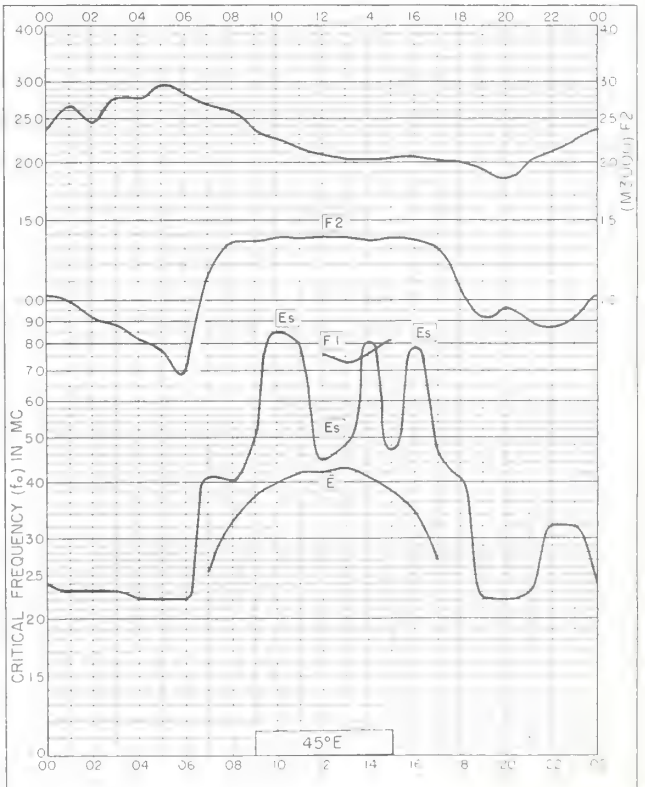


Fig. 68. DJIBOUTI, FRENCH SOMALILAND
11.6°N, 43.2°E DECEMBER 1957

NBS 503

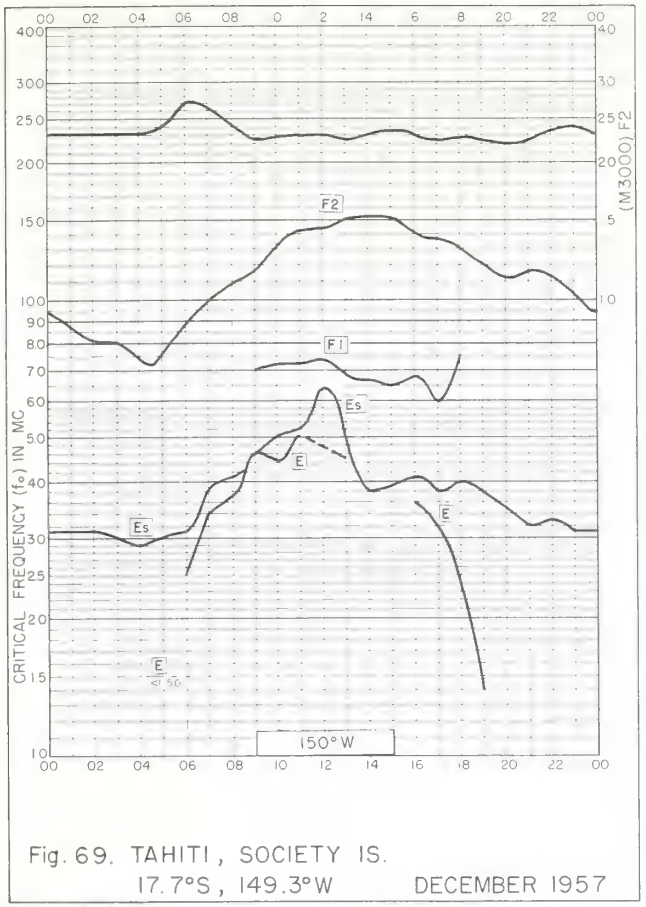


Fig. 69. TAHITI, SOCIETY IS.
17.7°S, 149.3°W DECEMBER 1957

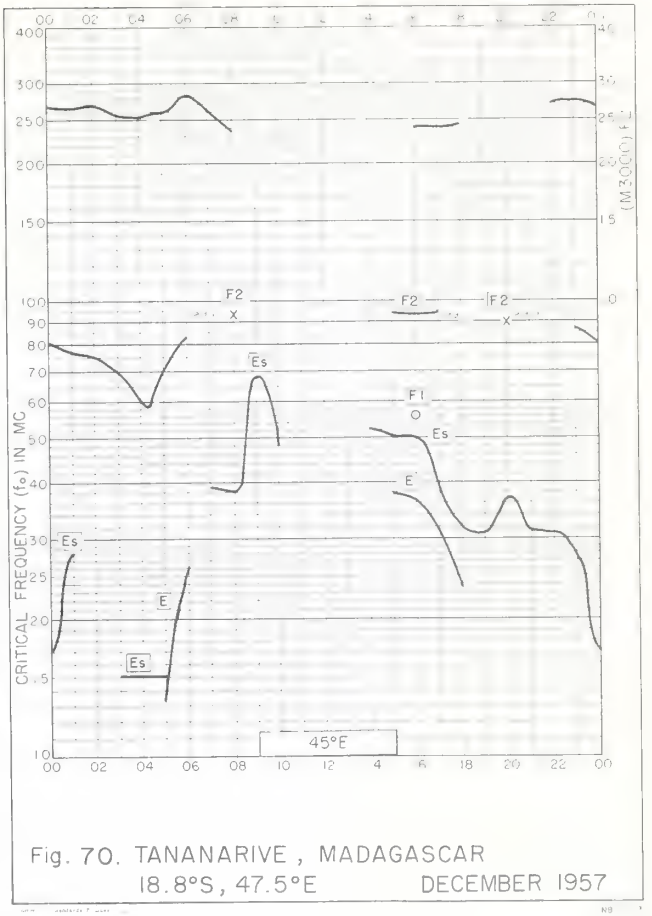


Fig. 70. TANANARIVE, MADAGASCAR
18.8°S, 47.5°E DECEMBER 1957

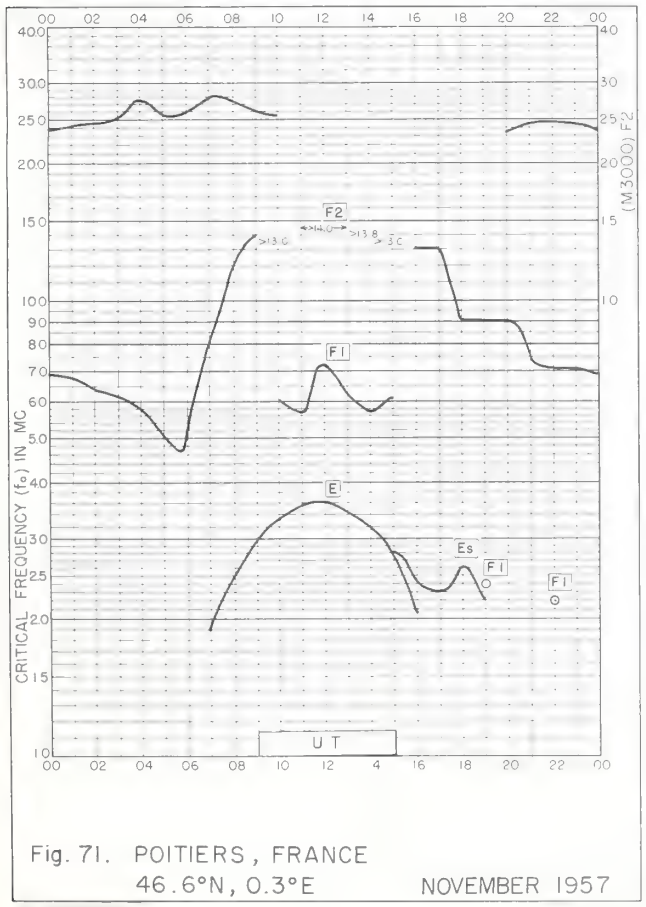


Fig. 71. POITIERS, FRANCE
46.6°N, 0.3°E NOVEMBER 1957

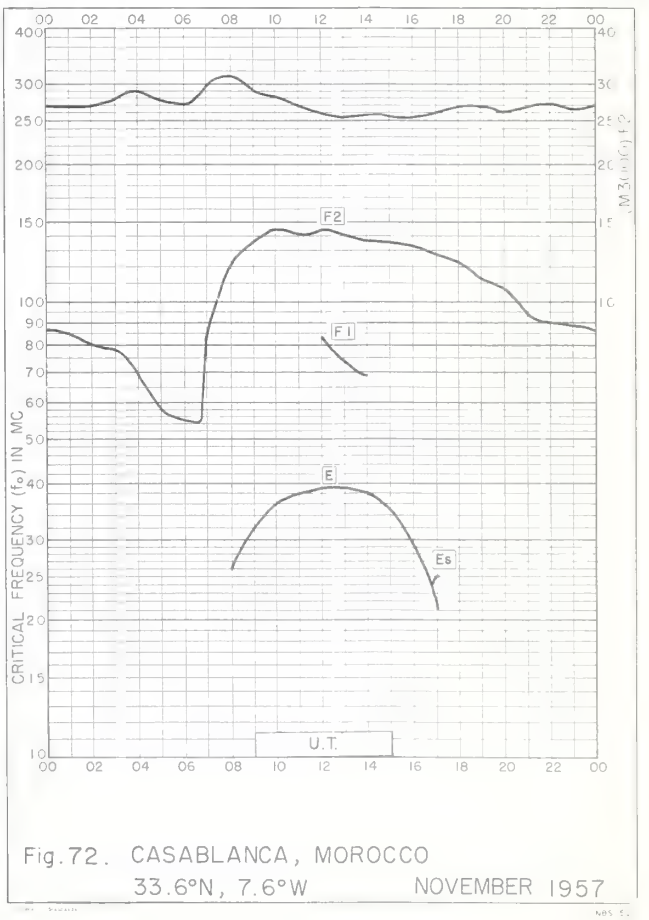


Fig. 72. CASABLANCA, MOROCCO
33.6°N, 7.6°W NOVEMBER 1957

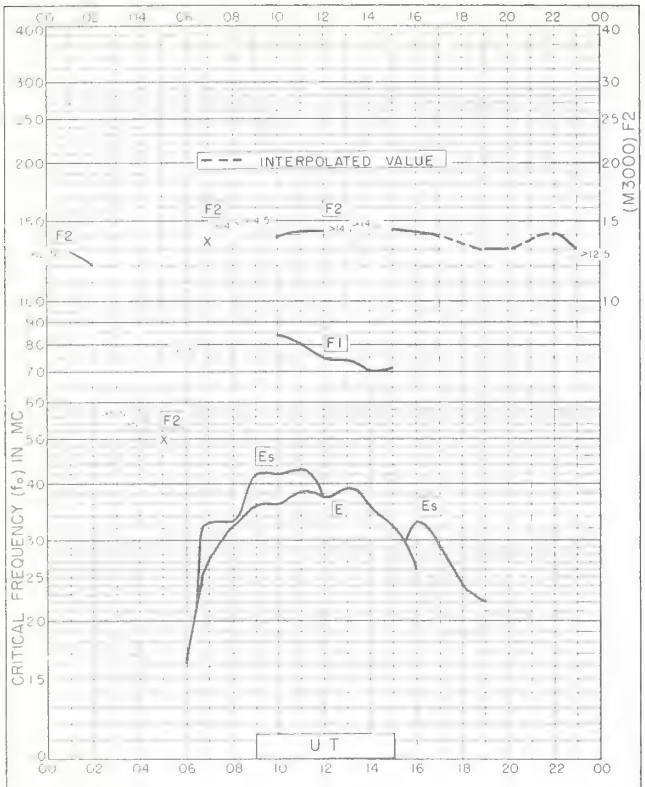


Fig. 73. TAMANRASSET , FRENCH W. AFRICA
22.8°N , 5.5°E NOVEMBER 1957

NBS 503

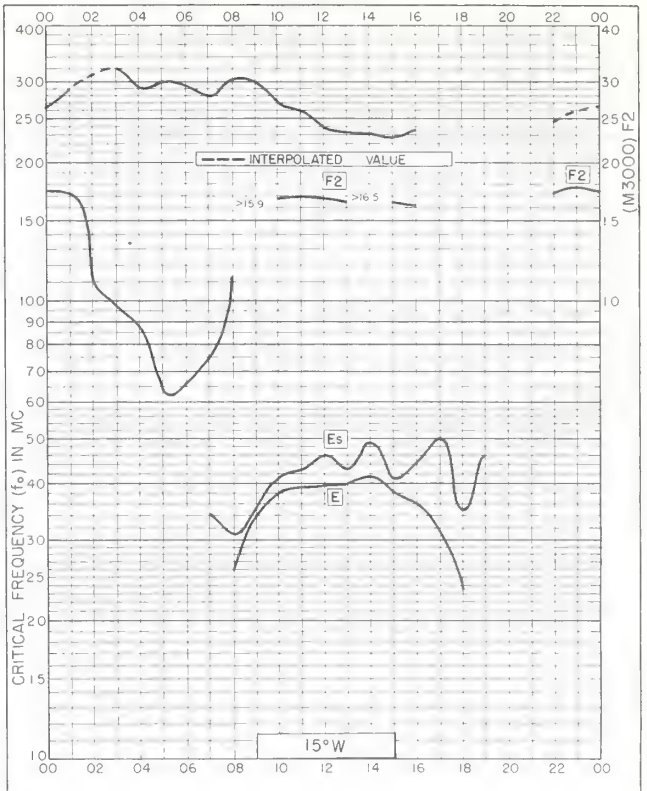


Fig. 74. DAKAR , FRENCH W. AFRICA
14.7°N, 17.4°W NOVEMBER 1957

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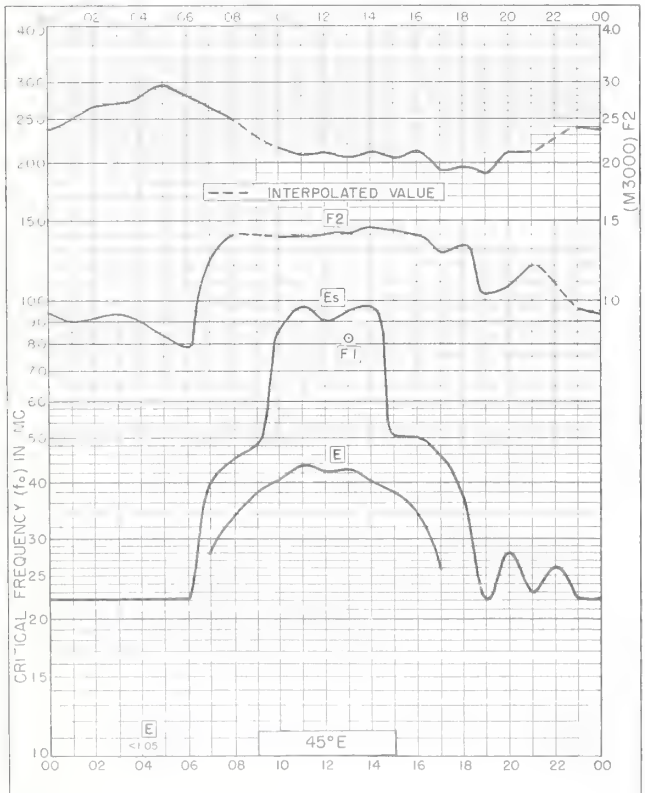


Fig. 75. DJIBOUTI , FRENCH SOMALILAND
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NBS 503

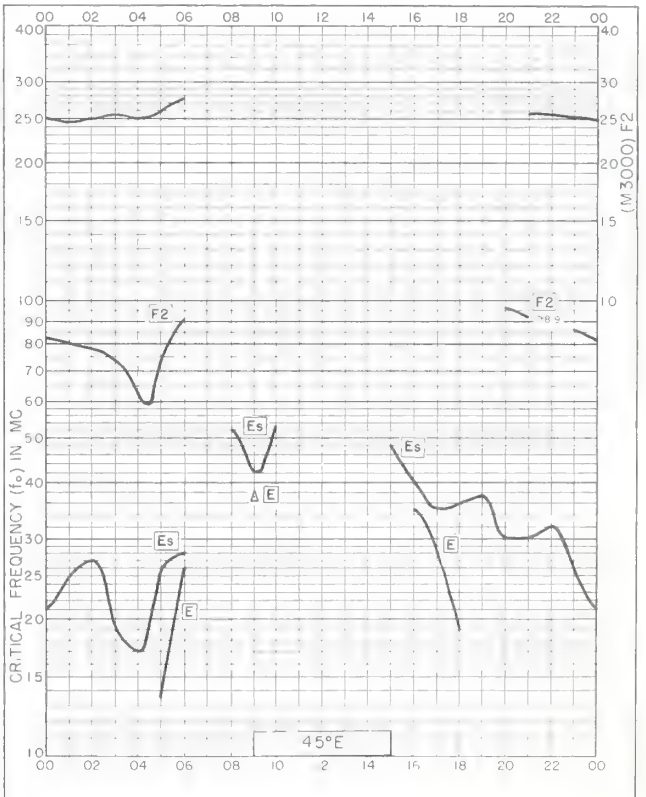


Fig. 76. TANANARIVE , MADAGASCAR
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NBS 503

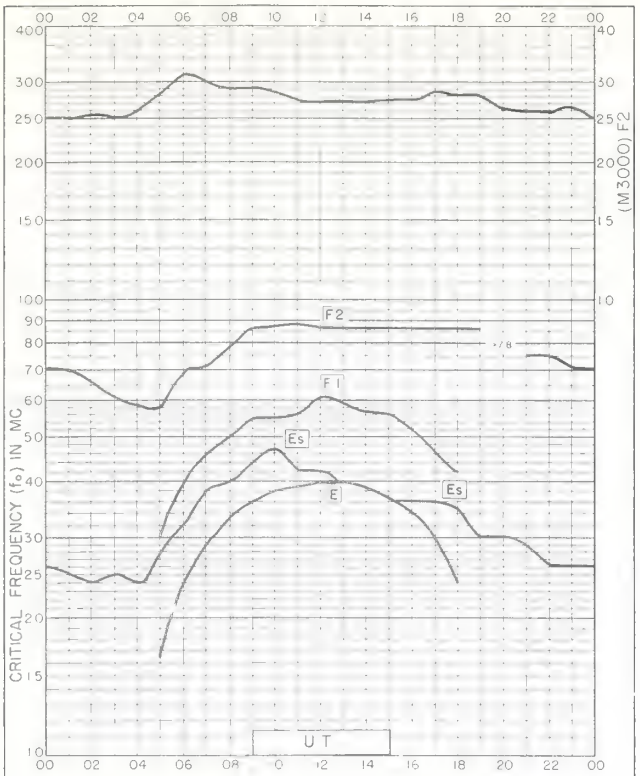


Fig. 77. POITIERS, FRANCE
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NBS 503

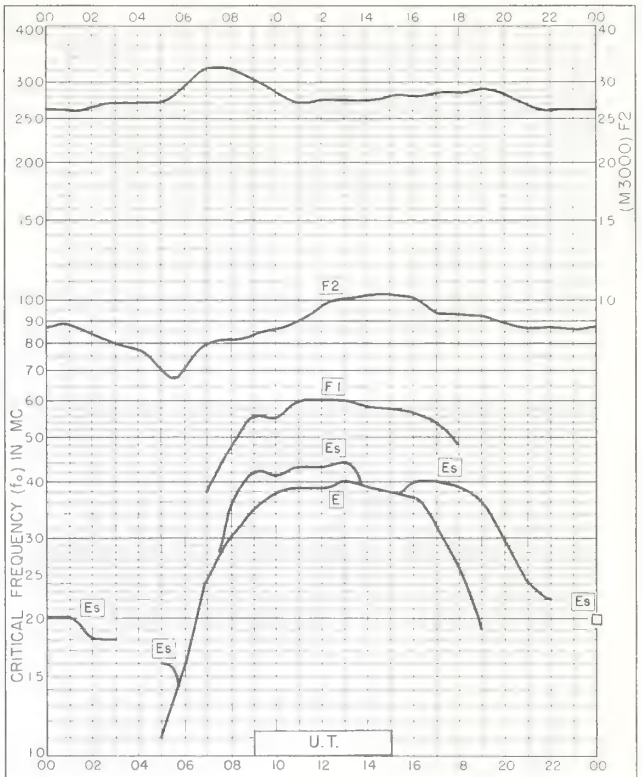


Fig. 78. CASABLANCA, MOROCCO
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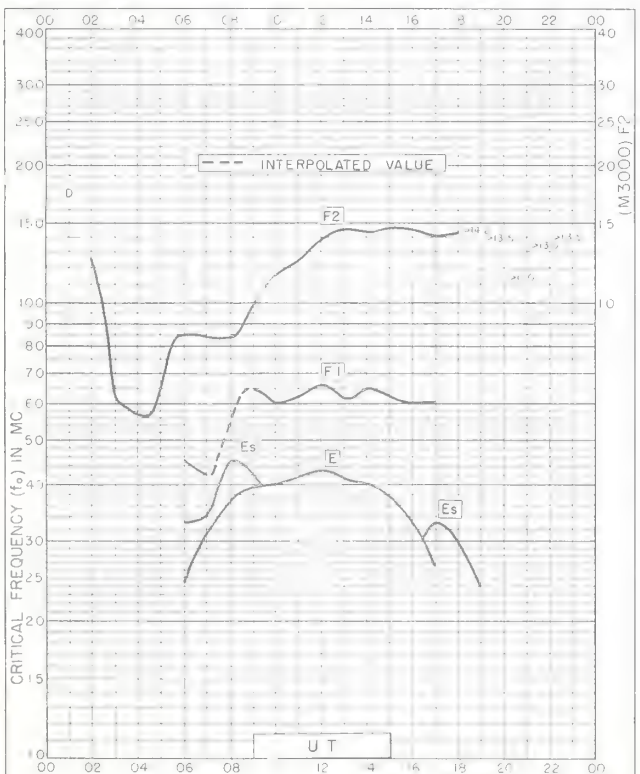


Fig. 79. TAMANRASSET, FRENCH W. AFRICA
22.8°N, 5.5°E AUGUST 1957

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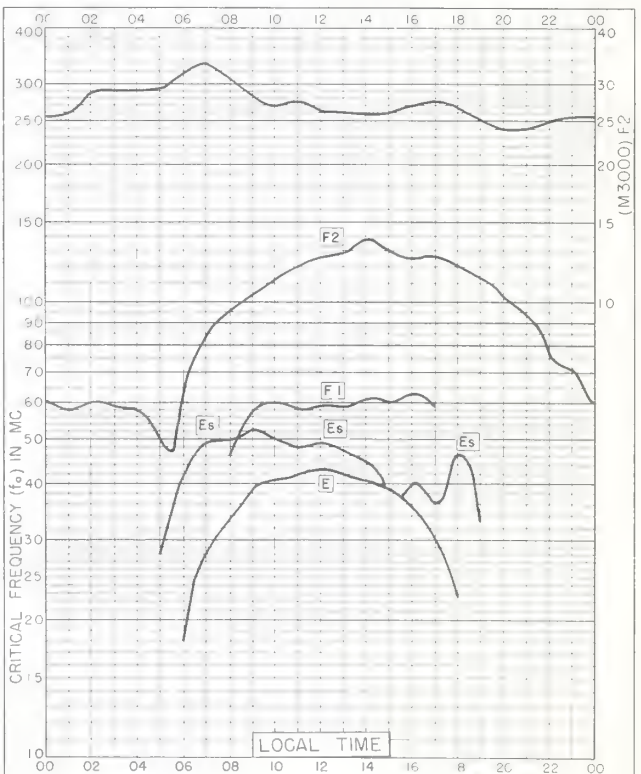


Fig. 80. DAKAR, FRENCH W. AFRICA
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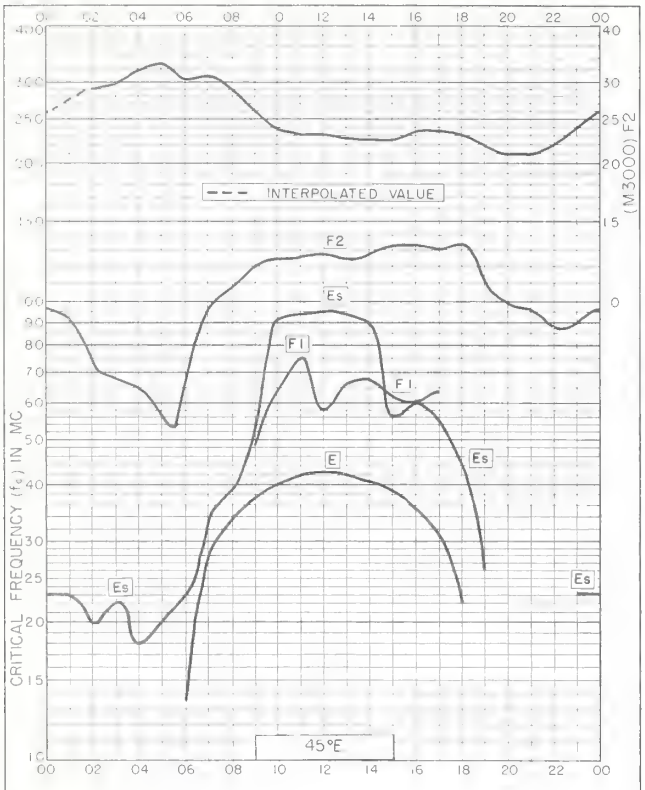


Fig. 81. DJIBOUTI, FRENCH SOMALILAND
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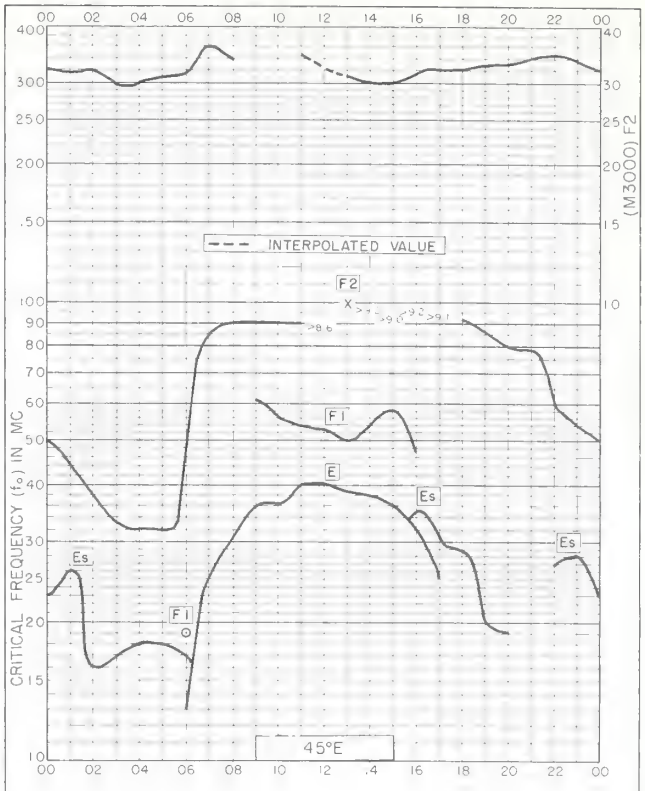


Fig. 82. TANANARIVE, MADAGASCAR
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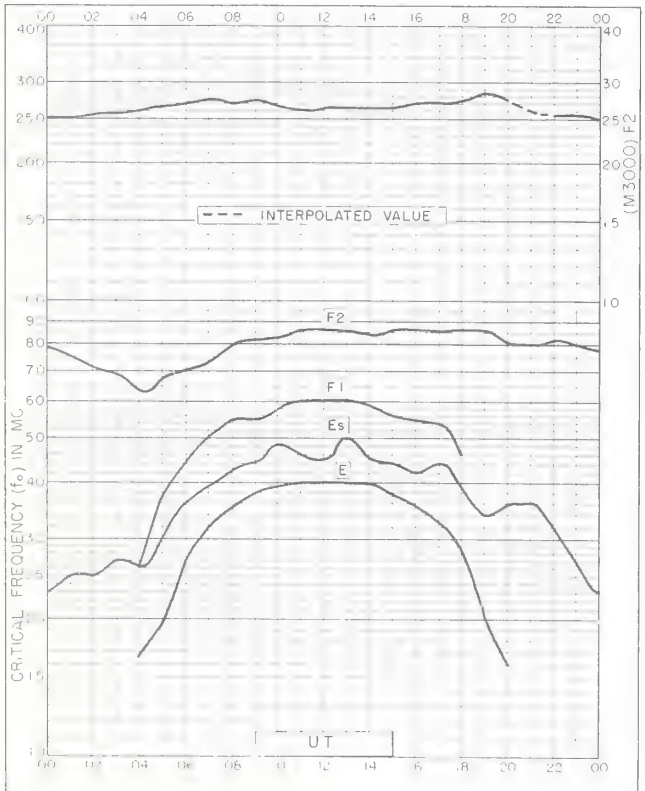


Fig. 83. POITIERS, FRANCE
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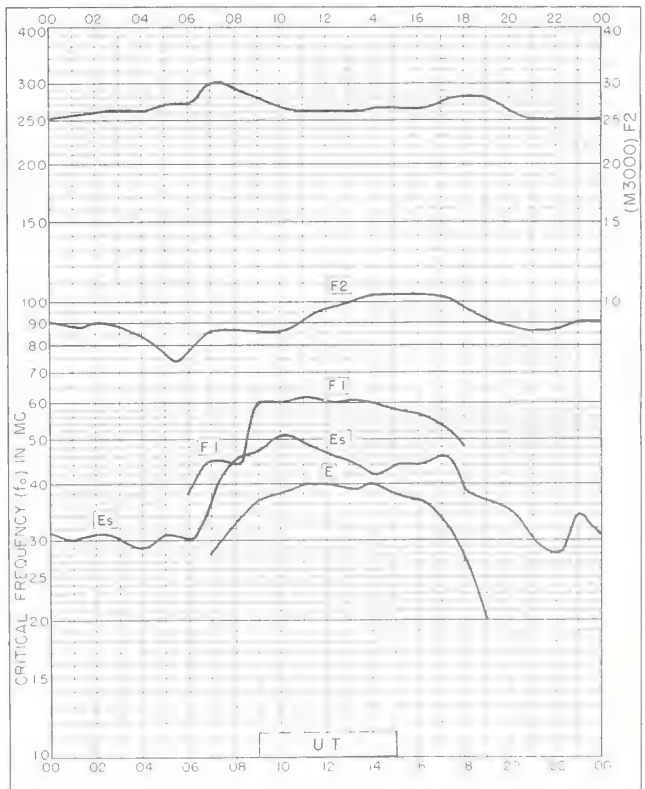


Fig. 84. CASABLANCA, MOROCCO
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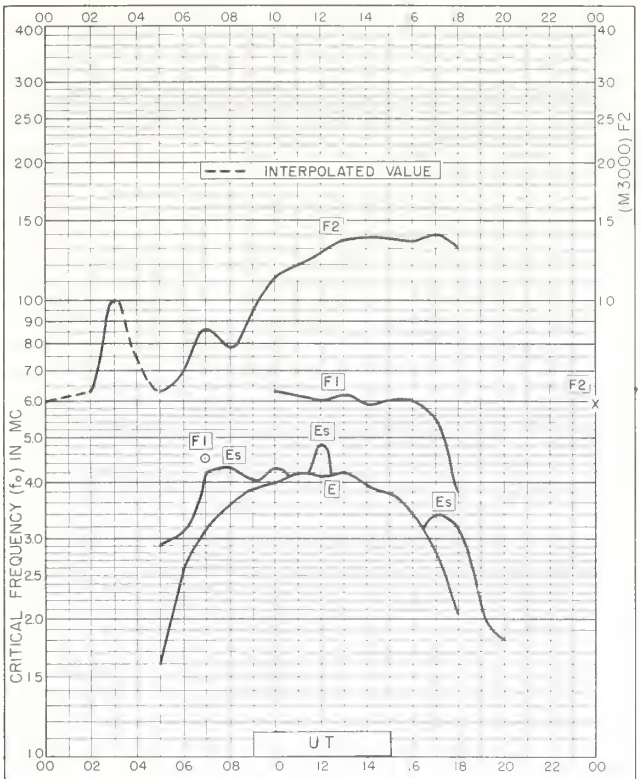


Fig. 85. TAMANRASSET, FRENCH W. AFRICA
22.8°N, 5.5°E JULY 1957

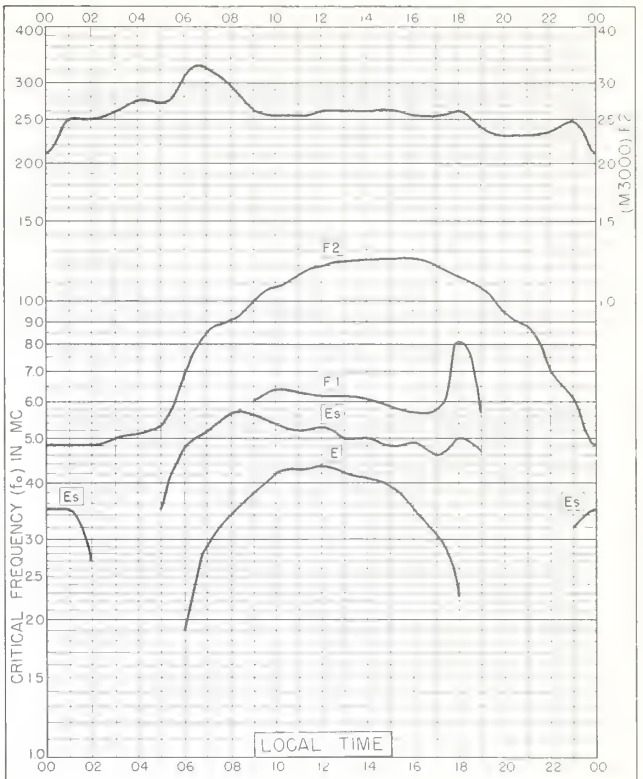


Fig. 86. DAKAR, FRENCH W. AFRICA
14 7°N, 17.4°W JULY 1957

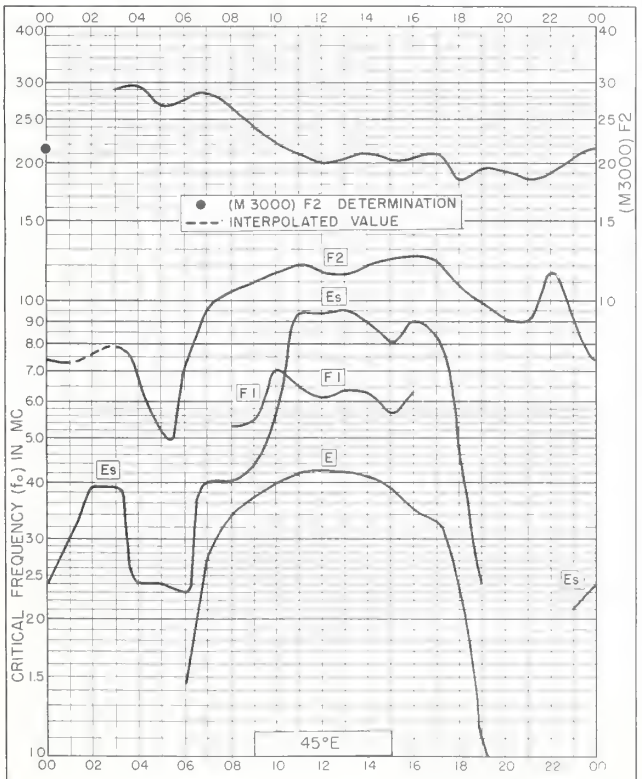


Fig. 87. DJIBOUTI, FRENCH SOMALILAND
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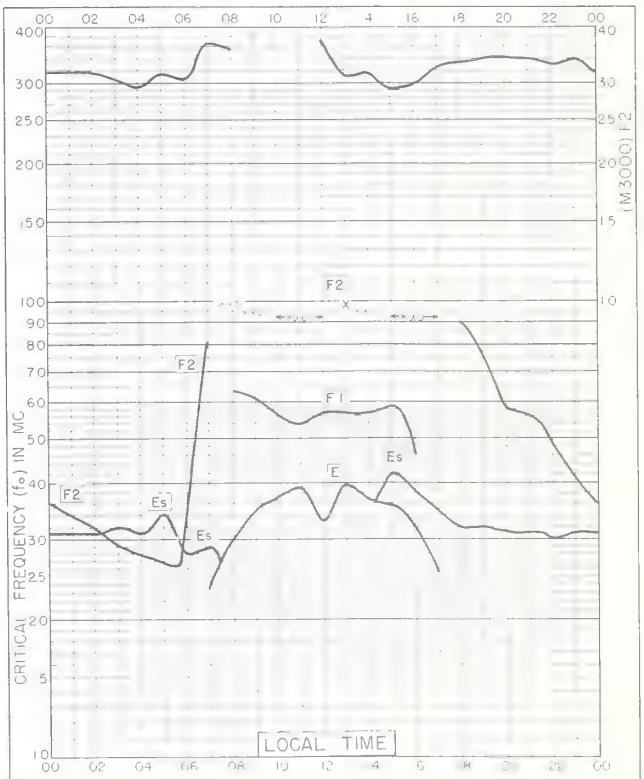


Fig. 88. TANANARIVE, MADAGASCAR
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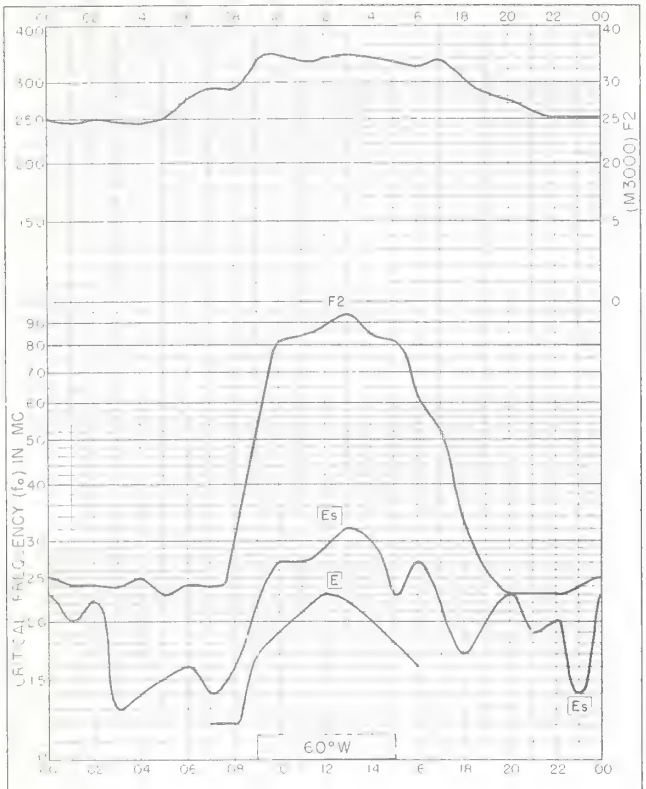


Fig. 89. PORT LOCKROY
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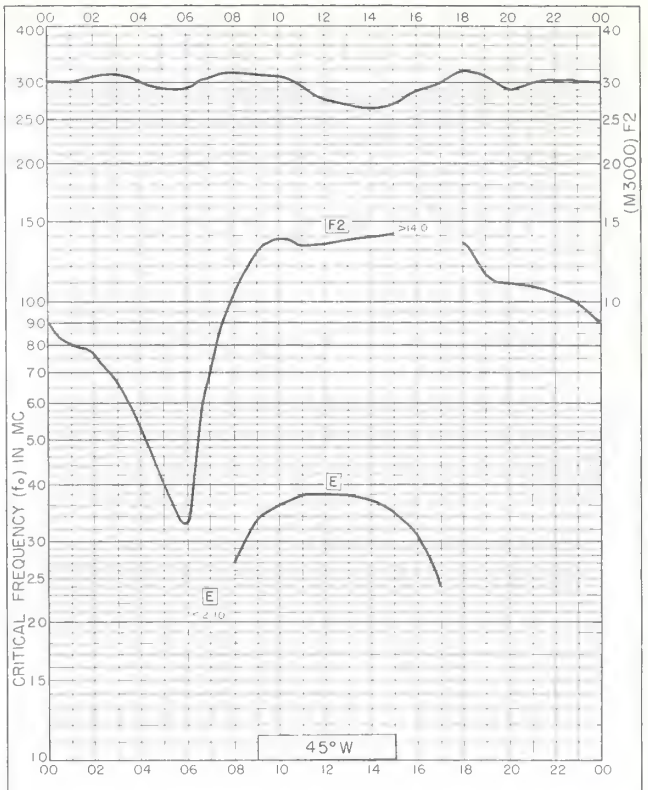


Fig. 90. SAO PAULO, BRAZIL
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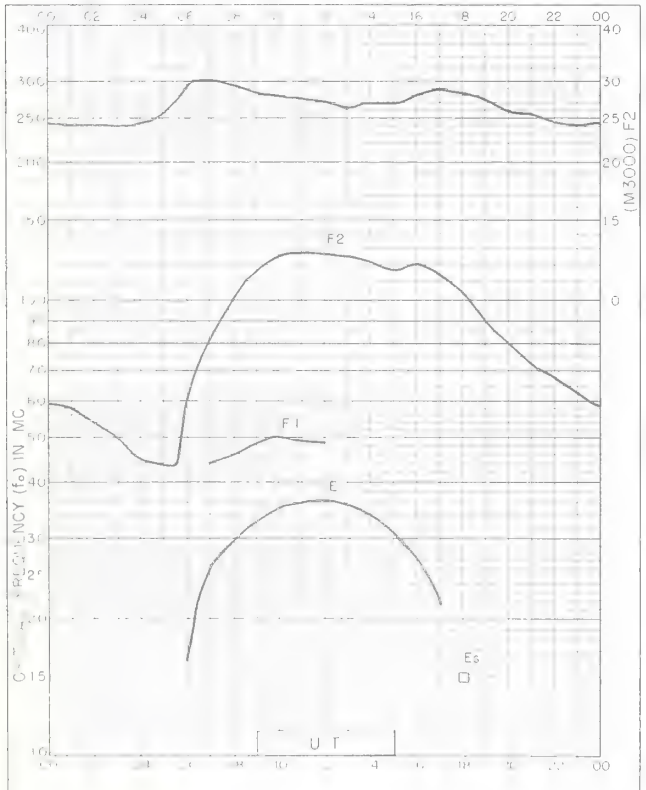


Fig. 91 FREIBURG, GERMANY
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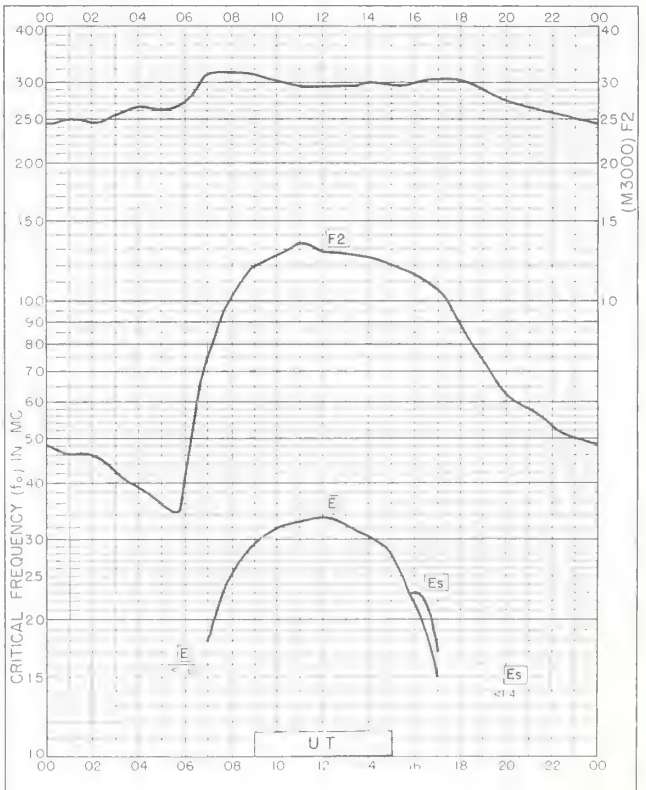


Fig. 92. FREIBURG, GERMANY
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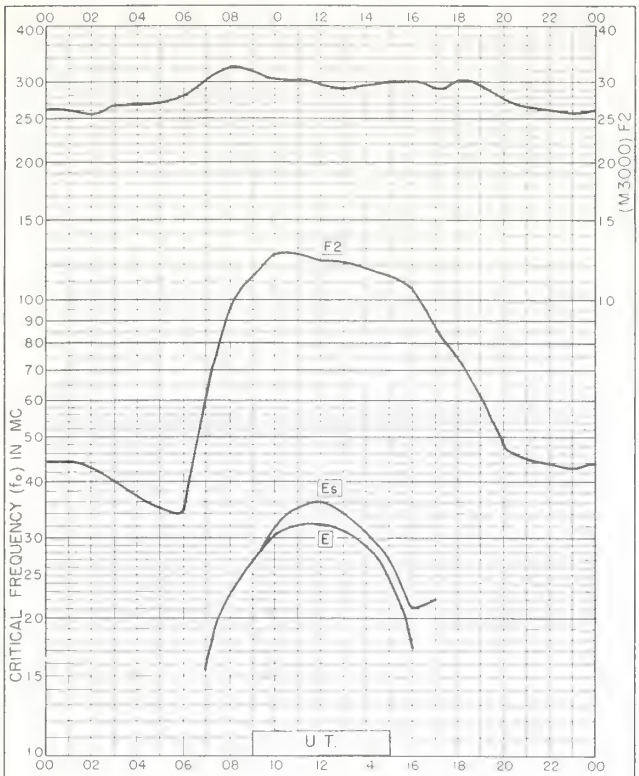


Fig. 93. FREIBURG , GERMANY
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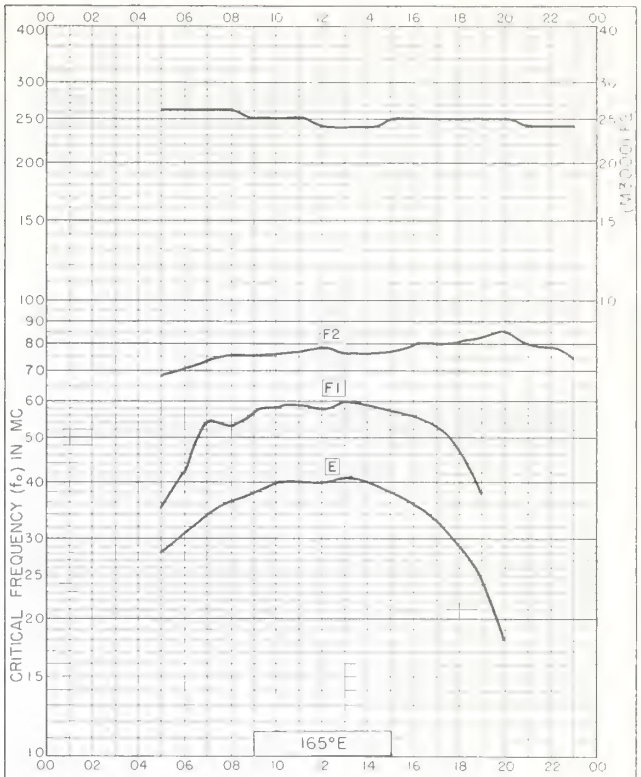


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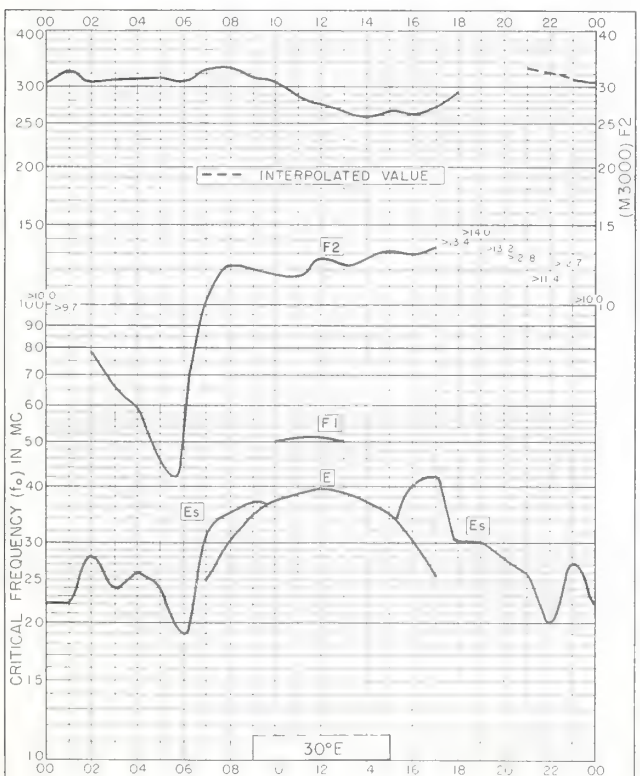


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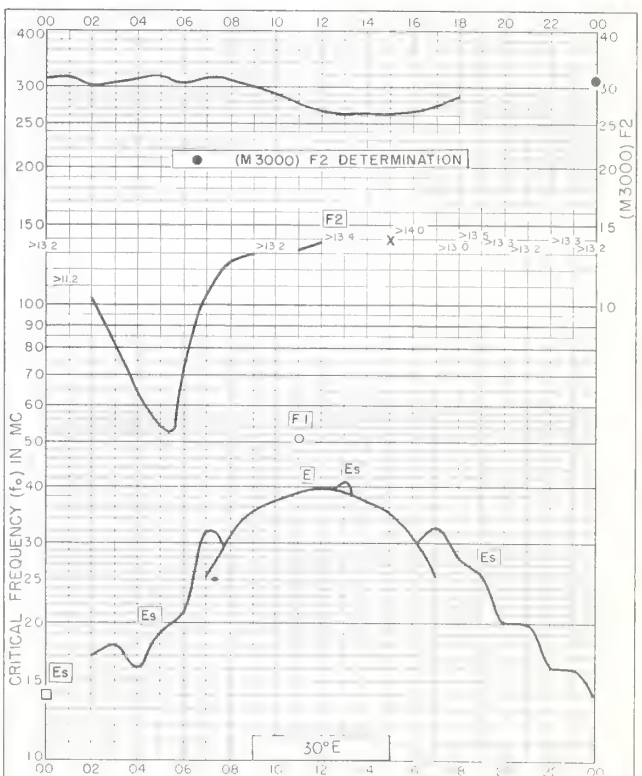


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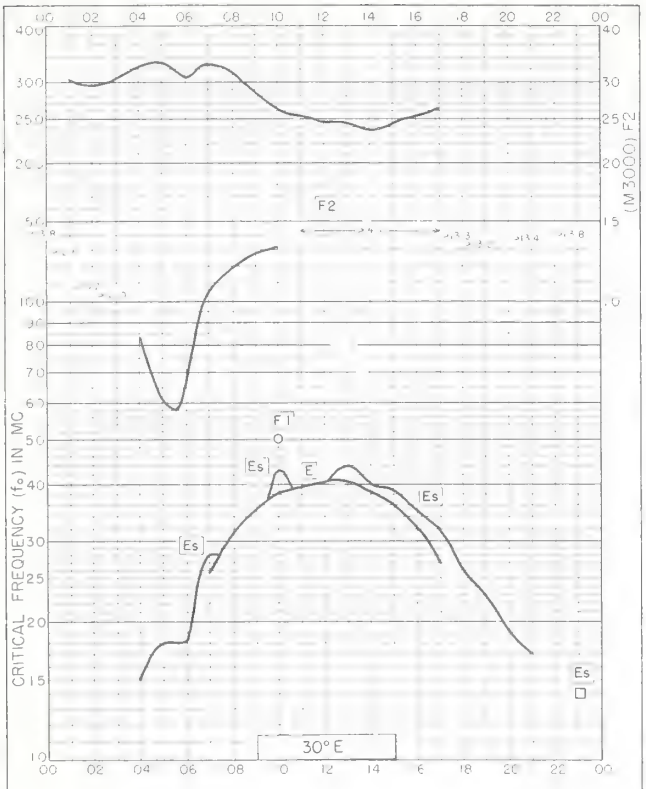


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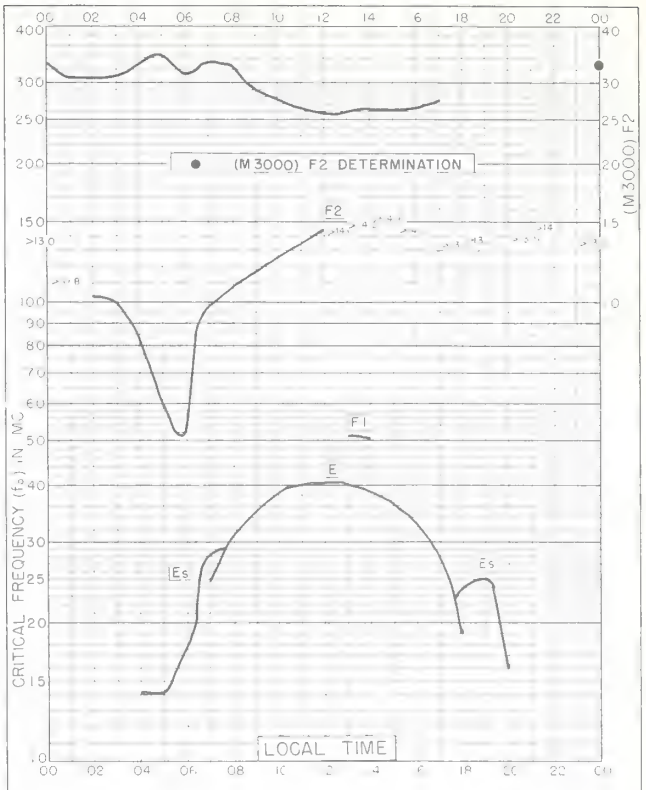


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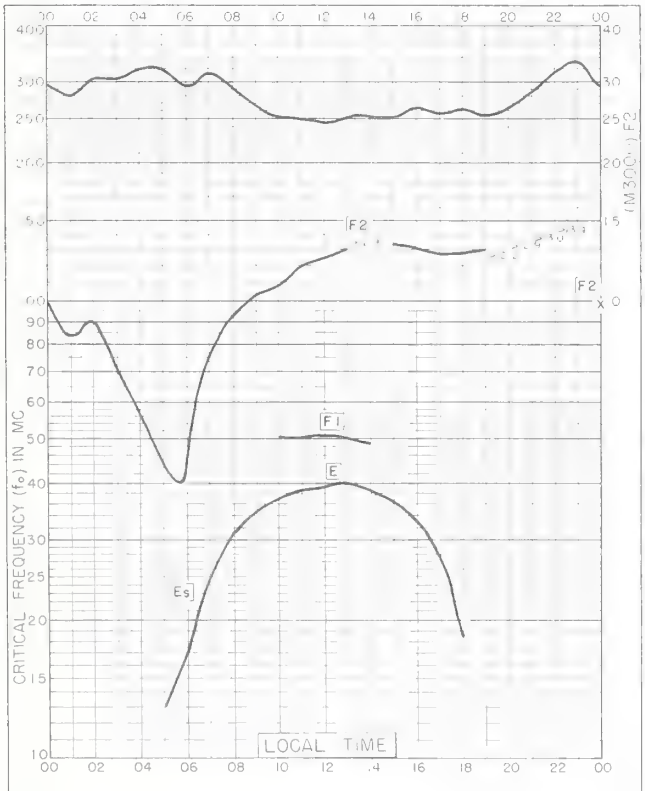


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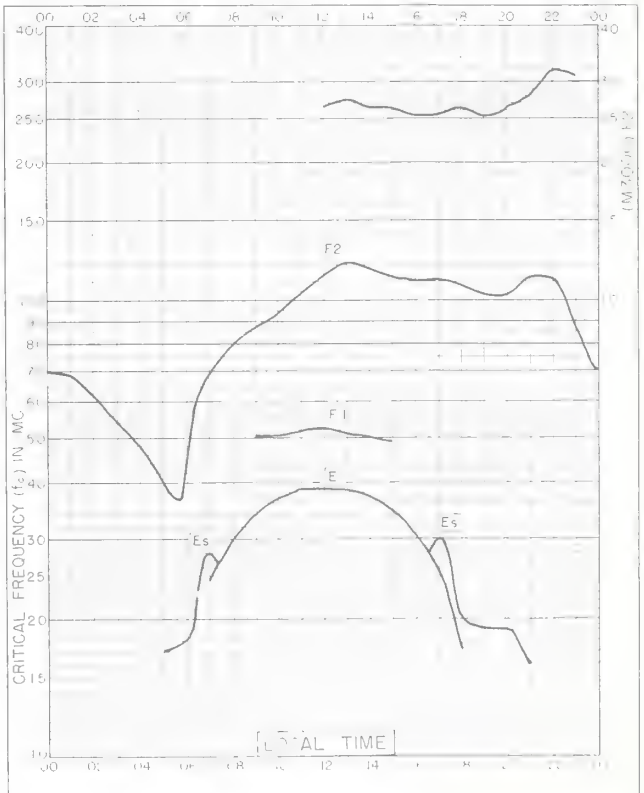


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CRPL—F. (Part A). Ionospheric Data.
(Part B). Solar-Geophysical Data.
Limited distribution. These publications are in general disseminated only to those individuals or scientific organizations which collaborate in the exchange of ionospheric, solar, geomagnetic, or other radio propagation data.

Catalog of Data:

A catalog of records and data on file at the U. S. IGY World Data Center A for Airglow and Ionosphere, Boulder Laboratories, National Bureau of Standards, which includes a fee schedule to cover the cost of supplying copies, is available upon request.

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Circulars of the National Bureau of Standards pertaining to Radio Sky Wave Transmission:

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NBS Circular 465. Instructions for the Use of Basic Radio Propagation Predictions. 30 cents.
NBS Circular 557. Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 megacycles. 30 cents.
NBS Circular 582. Worldwide Occurrence of Sporadic *E*. $3.25.

These Circulars are on sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. Members of the Armed Forces should address the respective military office having cognizance of radio wave propagation.

Selected Technical Notes of the National Bureau of Standards:

NBS Tech. Note 2. PB151361. World Maps of F2 Critical Frequencies and Maximum Usable Frequency Factors. $3.50. PB151361-2. $3.50.
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